

Ферменты для синтеза кэпирования РНК

Технические характеристики

По вопросам продаж и поддержки обращайтесь:

Алматы (7273)495-231
Ангарск (3955)60-70-56
Архангельск (8182)63-90-72
Астрахань (8512)99-46-04
Барнаул (3852)73-04-60
Белгород (4722)40-23-64
Благовещенск (4162)22-76-07
Брянск (4832)59-03-52
Владивосток (423)249-28-31
Владикавказ (8672)28-90-48
Владимир (4922)49-43-18
Волгоград (844)278-03-48
Вологда (8172)26-41-59
Воронеж (473)204-51-73
Екатеринбург (343)384-55-89

Иваново (4932)77-34-06
Ижевск (3412)26-03-58
Иркутск (395)279-98-46
Казань (843)206-01-48
Калининград (4012)72-03-81
Калуга (4842)92-23-67
Кемерово (3842)65-04-62
Киров (8332)68-02-04
Коломна (4966)23-41-49
Кострома (4942)77-07-48
Краснодар (861)203-40-90
Красноярск (391)204-63-61
Курск (4712)77-13-04
Курган (3522)50-90-47
Липецк (4742)52-20-81

Магнитогорск (3519)55-03-13
Москва (495)268-04-70
Мурманск (8152)59-64-93
Набережные Челны (8552)20-53-41
Новокузнецк (3843)20-46-81
Ноябрьск (3496)41-32-12
Новосибирск (383)227-86-73
Омск (3812)21-46-40
Орел (4862)44-53-42
Оренбург (3532)37-68-04
Пенза (8412)22-31-16
Петрозаводск (8142)55-98-37
Псков (8112)59-10-37
Пермь (342)205-81-47

Ростов-на-Дону (863)308-18-15
Рязань (4912)46-61-64
Самара (846)206-03-16
Санкт-Петербург (812)309-46-40
Саратов (845)249-38-78
Севастополь (8692)22-31-93
Саранск (8342)22-96-24
Симферополь (3652)67-13-56
Смоленск (4812)29-41-54
Сочи (862)225-72-31
Ставрополь (8652)20-65-13
Сургут (3462)77-98-35
Сыктывкар (8212)25-95-17
Тамбов (4752)50-40-97
Тверь (4822)63-31-35

Тольятти (8482)63-91-07
Томск (3822)98-41-53
Тула (4872)33-79-87
Тюмень (3452)66-21-18
Ульяновск (8422)24-23-59
Улан-Удэ (3012)59-97-51
Уфа (347)229-48-12
Хабаровск (4212)92-98-04
Чебоксары (8352)28-53-07
Челябинск (351)202-03-61
Череповец (8202)49-02-64
Чита (3022)38-34-83
Якутск (4112)23-90-97
Ярославль (4852)69-52-93

Россия +7(495)268-04-70

Казахстан +7(7172)727-132

Киргизия +996(312)96-26-47

эл.почта: hen@nt-rt.ru || сайт: <https://hongene.nt-rt.ru>

mRNA Cap-2'-O-Methyltransferase

Catalog No.: ON-014

Product description: mRNA Cap-2'-O-Methyltransferase is a recombinant protein from Vaccinia virus. The enzyme can add a methyl group at the 2'-O position of the first nucleotide adjacent to the Cap structure at the 5' end of the RNA. The enzyme utilizes SAM as a methyl donor to methylate capped RNA (Cap 0) resulting in a cap-1 structure. The Cap-1 structure has been reported to enhance mRNA translation efficiency and hence may help improve expression in mRNA transfection and microinjection experiments. mRNA cap-2'-O-Methyltransferase specifically requires RNA with an m7GpppN Cap as substrate.

Source: Recombinant *E.coli*

Concentration and Size: 50U/ μ L

Unit Definition: One unit is defined as the amount of enzyme required to methylate 10pmols of 80 nt Capped RNA transcript in 1 hour at 37°C.

Storage Buffer: 20mM Tris-HCl (pH8.0), 0.1mM EDTA, 100mM NaCl, 1mM DTT, 0.1%(v/v) Triton X-100, 50%(v/v) glycerol.

Companion Product: 10X Capping Buffer, Cat#ON-073, 500mM Tris-HCl, pH8.0, 50mM KCl, 10mM MgCl₂, 10mM DTT; S-adenosylmethionine (SAM), 32mM, Cat#ON-074.

Vaccinia Capping Enzyme

Catalog No.: ON-028

Product description: Vaccinia Capping enzyme is a recombinant protein from Vaccinia virus. Vaccinia Capping Enzyme can add 7-methylguanylate cap structure (Cap 0) to the 5' end of RNA. In eukaryotes, these terminal cap structures are involved in stabilization, transport, translation of mRNAs. Vaccinia Capping enzyme is composed of two subunits (D1R, D12L), and has three enzymatic activities (RNA triphosphatase, guanylyltransferase by the D1R subunit and guanine methyltransferase by the D12L subunit). All necessary for addition of a complete Cap 0 structure, m7Gppp5'N). In vitro, transcripts can be capped in the presence of reaction buffer, GTP, and the methyl donor (SAM).

Source: Recombinant *E.coli*

Concentration and Size: 10U/ μ L

Unit Definition: One unit is defined as the amount of enzyme required to incorporate 10pmol of GTP into an 80 nt transcript in 1 hour at 37°C.

Storage Buffer: 20mM Tris-HCl (pH 8.0), 0.1mM EDTA, 100mM NaCl, 1mM DTT, 0.1%(v/v) Triton X-100, 50%(v/v) glycerol.

Companion Product: 10X Capping Buffer, Cat#ON-073, 500mM Tris-HCl, pH 8.0, 50mM KCl, 10mM MgCl₂, 10mM DTT; S-adenosylmethionine (SAM), 32mM, ON-074; 10mM GTP, ON-075.

Vaccinia Capping Enzyme

Grade: GMP

Catalog No.: ON-028-G

Product description: Vaccinia Capping enzyme is a recombinant protein from Vaccinia virus. Vaccinia Capping Enzyme can add 7-methylguanylate cap structure (Cap 0) to the 5' end of RNA. In eukaryotes, these terminal cap structures are involved in stabilization, transport, translation of mRNAs. Vaccinia Capping enzyme is composed of two subunits (D1R, D12L), and has three enzymatic activities (RNA triphosphatase, guanylyltransferase by the D1R subunit and guanine methyltransferase by the D12L subunit). All necessary for addition of a complete Cap 0 structure, m7Gppp5'N). In vitro, transcripts can be capped in the presence of reaction buffer, GTP, and the methyl donor (SAM).

Source: Recombinant *E.coli*

Concentration and Size: 10U/μL

Unit Definition: One unit is defined as the amount of enzyme required to incorporate 10pmol of GTP into an 80 nt transcript in 1 hour at 37°C.

Storage Buffer: 20mM Tris-HCl (pH 8.0), 0.1mM EDTA, 100mM NaCl, 1mM DTT, 0.1%(v/v) Triton X-100, 50%(v/v) glycerol.

Companion Product: 10X Capping Buffer, Cat#ON-073, 500mM Tris-HCl, pH 8.0, 50mM KCl, 10mM MgCl₂, 10mM DTT; S-adenosylmethionine (SAM), 32mM, ON-074; 10mM GTP, ON-075.

2'-O-Methyltransferase (50U/ul)

Grade: GMP

Catalog No.: ON-014-G

Product description: mRNA Cap-2'-O-Methyltransferase is a recombinant protein from Vaccinia virus. The enzyme can add a methyl group at the 2'-O position of the first nucleotide adjacent to the Cap structure at the 5' end of the RNA. The enzyme utilizes SAM as a methyl donor to methylate capped RNA (Cap 0) resulting in a cap-1 structure. The Cap-1 structure has been reported to enhance mRNA translation efficiency and hence may help improve expression in mRNA transfection and microinjection experiments. mRNA cap-2'-O-Methyltransferase specifically requires RNA with an m7GpppN Cap as substrate.

Source: Recombinant *E.coli*

Concentration and Size: 50U/μL

Unit Definition: One unit is defined as the amount of enzyme required to methylate 10pmols of 80 nt Capped RNA transcript in 1 hour at 37°C.

Storage Buffer: 20mM Tris-HCl (pH8.0), 0.1mM EDTA, 100mM NaCl, 1mM DTT, 0.1%(v/v) Triton X-100, 50%(v/v) glycerol.

Companion Product: 10X Capping Buffer, Cat#ON-073, 500mM Tris-HCl, pH8.0, 50mM KCl, 10mM MgCl₂, 10mM DTT; S-adenosylmethionine (SAM),32mM, Cat#ON-074.

По вопросам продаж и поддержки обращайтесь:

Алматы (7273)495-231
Ангарск (3955)60-70-56
Архангельск (8182)63-90-72
Астрахань (8512)99-46-04
Барнаул (3852)73-04-60
Белгород (4722)40-23-64
Благовещенск (4162)22-76-07
Брянск (4832)59-03-52
Владивосток (423)249-28-31
Владикавказ (8672)28-90-48
Владимир (4922)49-43-18
Волгоград (844)278-03-48
Вологда (8172)26-41-59
Воронеж (473)204-51-73
Екатеринбург (343)384-55-89

Иваново (4932)77-34-06
Ижевск (3412)26-03-58
Иркутск (395)279-98-46
Казань (843)206-01-48
Калининград (4012)72-03-81
Калуга (4842)92-23-67
Кемерово (3842)65-04-62
Киров (8332)68-02-04
Коломна (4966)23-41-49
Кострома (4942)77-07-48
Краснодар (861)203-40-90
Красноярск (391)204-63-61
Курск (4712)77-13-04
Курган (3522)50-90-47
Липецк (4742)52-20-81

Магнитогорск (3519)55-03-13
Москва (495)268-04-70
Мурманск (8152)59-64-93
Набережные Челны (8552)20-53-41
Нижний Новгород (831)429-08-12
Новокузнецк (3843)20-46-81
Ноябрьск (3496)41-32-12
Новосибирск (383)227-86-73
Омск (3812)21-46-40
Орел (4862)44-53-42
Оренбург (3532)37-68-04
Пенза (8412)22-31-16
Петрозаводск (8142)55-98-37
Псков (8112)59-10-37
Пермь (342)205-81-47

Ростов-на-Дону (863)308-18-15
Рязань (4912)46-61-64
Самара (846)206-03-16
Санкт-Петербург (812)309-46-40
Саратов (845)249-38-78
Севастополь (8692)22-31-93
Саранск (8342)22-96-24
Симферополь (3652)67-13-56
Смоленск (4812)29-41-54
Сочи (862)225-72-31
Ставрополь (8652)20-65-13
Сургут (3462)77-98-35
Сыктывкар (8212)25-95-17
Тамбов (4752)50-40-97
Тверь (4822)63-31-35

Тольятти (8482)63-91-07
Томск (3822)98-41-53
Тула (4872)33-79-87
Тюмень (3452)66-21-18
Ульяновск (8422)24-23-59
Улан-Удэ (3012)59-97-51
Уфа (347)229-48-12
Хабаровск (4212)92-98-04
Чебоксары (8352)28-53-07
Челябинск (351)202-03-61
Череповец (8202)49-02-64
Чита (3022)38-34-83
Якутск (4112)23-90-97
Ярославль (4852)69-52-93

Россия +7(495)268-04-70

Казахстан +7(7172)727-132

Киргизия +996(312)96-26-47

эл.почта: hen@nt-rt.ru || сайт: <https://hongene.nt-rt.ru>