

mRNA cap guanine-N7 methyltransferase 2 (Os02g0780600, LOC_Os02g54000), Recombinant Protein

Cat *RP14291*

Size 0.02 mg (E-Coli)/ 0.02 mg (Yeast)/ 0.1 mg (E-Coli)/ 0.1 mg
(Yeast)/ 0.02 mg (Baculovirus)/ 0.02 mg (Mammalian-Cell)/ 0.1

mg (Baculovirus)/ 1 mg (E-Coli)/ 1 mg (Yeast)/ 0.1 mg
Species (Mammalian-Cell)/ 1 mg (Baculovirus)/ 0.5 mg (Mammalian-
Oryza sativa subsp. japonica (Rice)
Cell)

Full Product Name

Recombinant Oryza sativa subsp. japonica mRNA cap guanine-N7 methyltransferase 2 (Os02g0780600, LOC_Os02g54000)

Product Gene Name

Os02g0780600 recombinant protein

Product Synonym Gene Name

Os02g0780600; LOC_Os02g54000

Purity

Greater or equal to 85% purity as determined by SDS-PAGE. (lot specific)

Sequence

MAVTPHHRLY EFAKTALIKI FAFPYATVCD LYCDGGVDTD KWGDAQIGHY IGIDASASGV NDARELWESR
KKLFTSEFIE LDPSADDFEA QMQEKGQAD IVCCMQHLQL CFEESEHAQK LLNNVSSLLK PGGYFVGIIP
DSSTIWTKYQ KNVEASHNKG LKTVPSIRS ENYVITFEVE EEKFPFFGKK YQLKFANESM FENHCLVHFP
SFMRLAREAG LEYVEIQNLT EFYDDNRTQF APLGGYGSS LVDPRGKLVA RSFDILGLYS TFVFQKPD
AMPPIVTPEL HDPENDQEEE WLWTQQASMD DGRVSRDIL PPADNEKGIL GPGPADMRL

Sequence Positions

1-339, Full length protein

Format

Lyophilized or liquid (Format to be determined during the manufacturing process)

Host

E Coli or Yeast or Baculovirus or Mammalian Cell

Molecular Weight

38,388 Da

Storage

Store at -20°C. For long-term storage, store at -20°C or -80°C. Store working aliquots at 4°C for up to one week. Repeated freezing and thawing is not recommended.

NCBI Accession

XP_015623577.1

NCBI GI

1002238718

NCBI GenBank Nucleotide

XM_015768091.1

FOR RESEARCH OR FURTHER MANUFACTURING USE ONLY

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(Yeast)/ 0.02 mg (Baculovirus)/ 0.02 mg (Mammalian-Cell)/ 0.1

mg (Baculovirus)/ 1 mg (E-Coli)/ 1 mg (Yeast)/ 0.1 mg
(Mammalian-Cell)/ 1 mg (Baculovirus)/ 0.5 mg (Mammalian-
4330921 Cell)

NCBI GeneID

NCBI Official Full Name

mRNA cap guanine-N7 methyltransferase 2

NCBI Official Symbol

LOC4330921

NCBI Official Synonym Symbols

OJ1369_G08.2

NCBI Protein Information

mRNA cap guanine-N7 methyltransferase 2

UniProt Gene Name

Os02g0780600

UniProt Protein Name

mRNA cap guanine-N7 methyltransferase 2

UniProt Synonym Protein Names

mRNA (guanine-N(7)-)-methyltransferase 2; mRNA cap methyltransferase 2

UniProt Primary Accession

Q6K833

UniProt Secondary Accession

B7EDQ2

UniProt Related Accession

Q6K833

UniProt Comments

mRNA-capping methyltransferase that methylates the N7 position of the added guanosine to the 5'-cap structure of mRNAs. Binds RNA containing 5'-terminal GpppC .

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