Eukaryotic initiation factor 4A-3 (Os02g0146600, LOC_Os02g05330), Recombinant Protein

CD BioSciences
Plant Protein

Cat *RP14280*

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 (Mammalian-Cell)/ 1 mg (Baculovirus)/ 0.5 mg (Mammalian-Cell)*

Species
Oryza sativa subsp. japonica (Rice)

Full Product Name
Recombinant Oryza sativa subsp. japonica Eukaryotic initiation factor 4A-3 (Os02g0146600, LOC_Os02g05330)

Product Gene Name
Os02g0146600 recombinant protein

Product Synonym Gene Name
Os02g0146600; LOC_Os02g05330

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

Sequence
MAGMAPEGSQ FDAKHYDSKM QELLHQGDNE EFFTSYDEVF ESFDDMGLQE NLLRGIYAYG FEKPSAIQQR GIVPFCKGLD VIQQAQSGTG KTATFCSGIL QQLDYGLVEC QSLVLAPTRE LAQQIEKVMR ALGDYLGVKV HACVGGTSVR EDQRILASGV HVVVGTPGRV FDMLRRQSLR PDHIKMFVLD EADEMLSRGF KDQIYDIFQL LPPKIQVGVF SATMPPEALE ITRKFMNKPV RILVKRDELT LEGIKQFYVN VEKEDWKLDT LCDLYETLAI TQSVIFVNTR RKVDWLTDKM RSRDHTVSAT HGDMDQNTRD IIMREFRSGS SRVLITTDLL ARGIDVQQVS LVINYDLPTQ PENYLHRIGR SGRFGRKGVA INFVTRDDER MLFDIQRFYN VTIEELPANV ADLL

Sequence Positions
1-414, 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
47,138 Da

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

NCBI Accession
XP_015626460.1

NCBI GI
1002244531

NCBI GenBank Nucleotide
XM_015770974.1

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https://www.cd-biosciences.com/plant-protein/

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NCBI GeneID
4328286

NCBI Official Full Name
eukaryotic initiation factor 4A-3

NCBI Official Symbol
LOC4328286

NCBI Official Synonym Symbols
eIF4A-2; eIF-4A-3; OJ1008_C03.10

NCBI Protein Information
eukaryotic initiation factor 4A-3

UniProt Gene Name
Os02g0146600

UniProt Synonym Gene Names
eIF-4A-3

UniProt Protein Name
Eukaryotic initiation factor 4A-3

UniProt Synonym Protein Names
ATP-dependent RNA helicase eIF4A-3; DEAD-box ATP-dependent RNA helicase 23; eIF4A-2

UniProt Primary Accession
Q6Z2Z4

UniProt Secondary Accession
Q9AR32; B7EMF9

UniProt Related Accession
Q6Z2Z4

UniProt Comments
ATP-dependent RNA helicase which is a subunit of the eIF4F complex involved in cap recognition and is required for mRNA binding to ribosome. In the current model of translation initiation, eIF4A unwinds RNA secondary structures in the 5'-UTR of mRNAs which is necessary to allow efficient binding of the small ribosomal subunit, and subsequent scanning for the initiator codon .

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