

Eukaryotic initiation factor 4A (eIF-4A), Recombinant Protein

Cat RP16636

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
Triticum aestivum (Wheat)

Full Product Name

Recombinant Triticum aestivum Eukaryotic initiation factor 4A

Product Gene Name

eIF-4A recombinant protein

Purity

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

Sequence

MAGMAPEGSQ FDAKNYDSKM QELLSQGETE EFFTSYDEVH ESFDDMGLQE NLLRGIYAYG FEKPSAIQQR
GIVPFCKGLD VIQQAQSGTG KTATFCGIL QQLDYGLVEC QALVLAPTRE LAQQIEKVMR ALGDYLGVKV
HACVGGTSVR EDQRILASGV HVVVGTPGRV FDIRRQSLR PDNIKMFVLD EADEMLSRGF KDQIYDIFQL
LPGKIQGVGF SATMPPEALE ITRKFMNKPV RILVKRDELT LEGIKQFYVN VEKEEWKLDL LCDLYETLAI
TQSVIFVNTR RKVDWLTDKM RGRDHTVSAT HGDMDQNTRD IIMREFRSGS SRVLITTDLL ARGIDVQQVS
LVINYDLPTQ PENYQHRIGR SGRFGRKGVA INFVTREDER MLFDIQKFYN VVIEELPANV 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

46,928 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.

Protein Family

Eukaryotic initiation factor

NCBI Accession

P41378.1

NCBI GI

1170509

NCBI Official Full Name

Eukaryotic initiation factor 4A

UniProt Gene Name

eIF-4A

FOR RESEARCH OR FURTHER MANUFACTURING USE ONLY

Eukaryotic initiation factor 4A (eIF-4A), Recombinant Protein

Cat *RP16636*

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)

UniProt Synonym Gene Names

eIF-4A

UniProt Protein Name

Eukaryotic initiation factor 4A

UniProt Synonym Protein Names

ATP-dependent RNA helicase eIF4A

UniProt Primary Accession

P41378

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.

FOR RESEARCH OR FURTHER MANUFACTURING USE ONLY