Eukaryotic Initiation Factor 4a-II (EIF4A2) Bovine Recombinant Protein

PRODUCT OVERVIEW

Product Name	Eukaryotic initiation factor 4A-II (EIF4A2), Recombinant Protein
Full Product Name	Recombinant Bovine Eukaryotic initiation factor 4A-II (EIF4A2)
Product Gene Name	EIF4A2 recombinant protein
Product Synonym Gene Name	EIF4A2
Sequence	MSGGSADYNR EHGGPEGMDP DGVIESNWNE IVDNFDDMNL KESLLRGIYA YGFEKPSAIQ QRAIIPCIKG YDVIAQAQSG TGKTATFAIS ILQQLEIEFK ETQALVLAPT RELAQQIQKV ILALGDYMGA TCHACIGGTN VRNEMQKLQA EAPHIVVGTP GRVFDMLNRR YLSPKWIKMF VLDEADEMLS RGFKDQIYEI FQKLNTSIQV VLLSATMPTD VLEVTKKFMR DPIRILVKKE ELTLEGIKQF YINVEREEWK LDTLCDLYET LTITQAVIFL NTRRKVDWLT EKMHARDFTV SALHGDMDQK ERDVIMREFR SGSSRVLITT DLLARGIDVQ QVSLVINYDL PTNRENYIHR IGRGGRFGRK GVAINFVTEE DKRILRDIET FYNTTVEEMP MNVADLI
Host	E Coli or Yeast or Baculovirus or Mammalian Cell
Form/Format	Lyophilized or liquid (Format to be determined during the manufacturing process)
Purity/Purification	Greater or equal to 85% purity as determined by SDS-PAGE. (lot specific)
Preparation and Storage	Store at -20 degrees C. For long-term storage, store at -20 degrees C or -80 degrees C. Store working aliquots at 4 degrees C for up to one week. Repeated freezing and thawing is not recommended.
Molecular Weight	46,402 Da
Sequence Positions	1-407, full length protein
Tag Information	This protein contains an N-terminal tag and may also contain a C-terminal tag. Tag types are determined by various factors including tag-protein stability, please inquire for tag information.
Sterility	Sterile filter available upon request.
Endotoxin	Low endotoxin available upon request.
3D Structure	ModBase 3D Structure for Q3SZ65
Species	Bovine
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for EIF4A2 recombinant protein	MBS1350975 is a recombinant protein targeting EIF4A2. Also known as Recombinant Bovine Eukaryotic initiation factor 4A-II (EIF4A2). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of EIF4A2 recombinant protein vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for EIF4A2. It may not necessarily be applicable to this product.

NCBI GI #	77404209
NCBI GeneID	286819
NCBI Accession #	NP_001029216.1
UniProt Primary Accession #	Q3SZ65

UniProt Related Accession #	Q3SZ65
GenBank Nucleotide #	NM_001034044.2
NCBI Official Full Name	eukaryotic initiation factor 4A-II
NCBI Official Synonym Full Names	eukaryotic translation initiation factor 4A2
NCBI Official Symbol	EIF4A2
UniProt Protein Name	Eukaryotic initiation factor 4A-II
UniProt Synonym Protein Names	ATP-dependent RNA helicase eIF4A-2
Protein Family	Eukaryotic initiation factor
UniProt Gene Name	EIF4A2
UniProt Synonym Gene Names	eIF-4A-II; eIF4A-II
NCBI Protein Information	eukaryotic initiation factor 4A-II
UniProt Comments for EIF4A2	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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