

Recombinant human Eukaryotic initiation factor 4A-II protein

Catalog No: #AP71660

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Package Size: #AP71660-1 20ug #AP71660-2 100ug #AP71660-3 1mg

Description

Product Name	Recombinant human Eukaryotic initiation factor 4A-II protein
Brief Description	Recombinant Protein
Host Species	E.coli
Purification	Greater than 90% as determined by SDS-PAGE.
Immunogen Description	Expression Region:1-407aaSequence Info:Full Length
Other Names	ATP-dependent RNA helicase eIF4A-2
Accession No.	Q14240
Uniprot	Q14240
GeneID	1974;
Calculated MW	73.4 kDa
Tag Info	N-terminal GST-tagged
Target Sequence	MSGGSADYNREHGGPEGMDDPDGVIESNWNEIVDNFDDMNLKESLLRGIYAYGFEEKPSAIQQRAIIPCICKGYDVI AQAQSGTGKTATFAISILQQLEIEFKETQALVLPAPRELAQQIQKVLALGDYMGATCHACIGGTNVRNEMQKLQ AEAPHIVVGTGPRVFDMLNRRYLSPKWIKMFVLDEADEMLSRGFKDQIYEIQKLNTSIQVVLLSATMPTDVLE VTKKFMRDPIRILVKKEELTLEGIKQFYINVEREEWKLDLTLCDLYETLTITQAVIFLNTRRKVDWLTEKMHARDFT VSALHGDMDQKERDVMREFRSGSSRVLITDILLARGIDVQQVSLVINYLPTNRENYIHRIGRGGFRGKGV INFVTEEDKRILRDIETFYNTTVEEMPMNVADLI
Formulation	Tris-based buffer50% glycerol
Storage	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C,-80°C. The shelf life of lyophilized form is 12 months at -20°C,-80°C.Notes:Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.

Background

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.

References

Isolation and mapping of the human EIF4A2 gene homologous to the murine protein synthesis initiation factor 4A-II gene Eif4a2.Sudo K., Takahashi E., Nakamura Y.Cytogenet. Cell Genet. 71:385-388(1995)Research Topic:Immunology

Note: This product is for in vitro research use only