Recombinant Full Length Human EIF4A1 Protein, C-Flag-tagged

Cat. No. EIF4A1-314HFL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Full Length Human EIF4A1 Protein, fused to Flag-tag at C-terminus, was expressed in Mammalian cells.
Species	Human
Source	Mammalian Cells
Description	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.
Form	25 mM Tris HCl, pH 7.3, 100 mM glycine, 10% glycerol.
Molecular Mass	46 kDa
AA Sequence	MSASQDSRSRDNGPDGMEPEGVIESNWNEIVDSFDDMNLSESLLRGIYAYGFEKPS AIQQRAILPCIKGY DVIAQAQSGTGKTATFAISILQQIELDLKATQALVLAPTRELAQQI QKVVMALGDYMGASCHACIGGTNV RAEVQKLQMEAPHIIVGTPGRVFDMLNRRYL SPKYIKMFVLDEADEMLSRGFKDQIYDIFQKLNSNTQVV LLSATMPSDVLEVTKKFM RDPIRILVKKEELTLEGIRQFYINVEREEWKLDTLCDLYETLTITQAVIFIN TRRKVDWL TEKMHARDFTVSAMHGDMDQKERDVIMREFRSGSSRVLITTDLLARGIDVQQVSLVI NYDLP

Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA

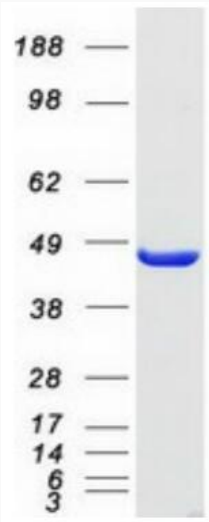
	TNRENYIHRIGRGGRFGRKGVAINMVTEEDKRTLRDIETFYNTSIEEMPLNVADLISG PTRTRPLEQKLISEEDLAANDILDYKDDDDKV
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining.
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade.
Concentration	>50 ug/mL as determined by microplate BCA method.
Preparation	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Full Length	Full L.

GENE INFORMATION

Gene Name	EIF4A1 eukaryotic translation initiation factor 4A1 [Homo sapiens (human)]
Official Symbol	EIF4A1
Synonyms	DDX2A; EIF4A; EIF-4A; eIF4A-I; eIF-4A-I
Gene ID	1973
mRNA Refseq	NM_001416.4
Protein Refseq	NP_001407.1

Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA

MIM	602641
UniProt ID	P60842



Coomassie blue staining of purified EIF4A1 protein.

Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA