

Recombinant Full Length Human EIF4A3 Protein, C-Flag-tagged

Cat. No. EIF4A3-848HFL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Full Length Human EIF4A3 Protein, fused to Flag-tag at C-terminus, was expressed in Mammalian cells.
Species	Human
Source	Mammalian Cells
Description	This gene encodes a member of the DEAD box protein family. DEAD box proteins, characterized by the conserved motif Asp-Glu-Ala-Asp (DEAD), are putative RNA helicases. They are implicated in a number of cellular processes involving alteration of RNA secondary structure, such as translation initiation, nuclear and mitochondrial splicing, and ribosome and spliceosome assembly. Based on their distribution patterns, some members of this family are believed to be involved in embryogenesis, spermatogenesis, and cellular growth and division. The protein encoded by this gene is a nuclear matrix protein. Its amino acid sequence is highly similar to the amino acid sequences of the translation initiation factors eIF4AI and eIF4AII, two other members of the DEAD box protein family.
Form	25 mM Tris HCl, pH 7.3, 100 mM glycine, 10% glycerol.
Molecular Mass	46.7 kDa
AA Sequence	MATTATMATSGSARKRLLKEEDMTKVEFETSEEVDVTPTFDTMGLREDLLRGIYAYG FEKPSAIQQRAIK QIIKGRDVIAQSQSGTGKTATFSISVLQCLDIQVRETQALILAPTRE

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LAVQIQKGLLALGDYMNQCHAC IGGTNVGEDIRKLDYGQHVAGTPGRVFDIMRR
 RSLRTRAIKMLVLDEADEMLNKGFKQIYDVYRYLPP ATQVVLISATLPHEILEMTNK
 FMTDPIRILVKRDELTLLEGIKQFFVAVEREEWKFDLTCDLYDTLTITQA VIFCNTKRKV
 DWLTEKMREANFTVSSMHGDMPPQKERESIMKEFRSGASRVLISTDVWARGLDVPQ
 VSLII
 NYDLPNNRELYIHRIGRSGRYGRKGVAINFVKNDIDIRILRDIEQYYSTQIDEMPMNVA
 DLITRTRPLEQKLISEEDLAANDILDYKDDDDKV

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.
Protein Families	Druggable Genome
Protein Pathways	Spliceosome
Full Length	Full L.

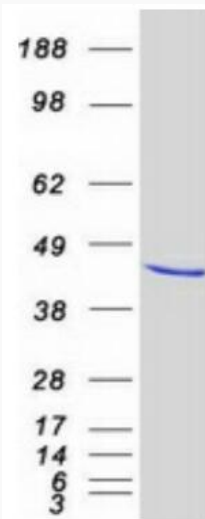
GENE INFORMATION

Gene Name	EIF4A3 eukaryotic translation initiation factor 4A3 [Homo sapiens (human)]
Official Symbol	EIF4A3

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Synonyms	Fal1; RCPS; DDX48; MUK34; NUK34; NMP265; eIF4AIII; eIF4A-III; eIF-4A-III
Gene ID	9775
mRNA Refseq	NM_014740.4
Protein Refseq	NP_055555.1
MIM	608546
UniProt ID	P38919
 Coomassie blue staining of purified EIF4A3 protein.	