

Product datasheet for PH302567

EIF4A3 (NM_014740) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	EIF4A3 MS Standard C13 and N15-labeled recombinant protein (NP_055555)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC202567
Predicted MW:	46.9 kDa
Protein Sequence:	>RC202567 protein sequence Red=Cloning site Green=Tags(s)

MATTATMATSGSARKRLLKEEDMTKVEFETSEEVDVPTPTFDTMGLREDLLRGIYAYGFEKPSAIQQRAIK
QIIKGRDVIAQSQSGTGKTATFSISVLQCLDIQVRETQALILAPTRELAVQIQKGLLALGDYMNVCCHAC
IGGTNVEDIRKLDYQGHVAGTPGRVFDIIRRRSLRTRAIKMLVLDEADEMLNKGFEQIYDVYRYLPP
ATQVVLISATLPHEILEMTNKFMTDPIRILVKRDEL TLEGIKQFFVAVEREEWKFDTLCDLYDTLTITQA
VIFCNTKRKVDWLTEKMREANFTVSSMHGDMPPQKERESIMKEFRSGASRVLISTDVWARGLDVPPQVSLII
NYDLPNNRELYIHRIGRSGRYGRKGVAINFVNDDIRILRDIEQYYSTQIDEMPMNVADLI

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- ¹³ C ₆ , ¹⁵ N ₄]-L-Arginine and [U- ¹³ C ₆ , ¹⁵ N ₂]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	<u>NP_055555</u>
RefSeq Size:	1734
RefSeq ORF:	1233
Synonyms:	DDX48; eIF-4A-III; eIF4A-III; eIF4AIII; Fal1; MUK34; NMP265; NUK34; RCPS
Locus ID:	9775



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UniProt ID: [P38919](#), [A0A024R8W0](#)

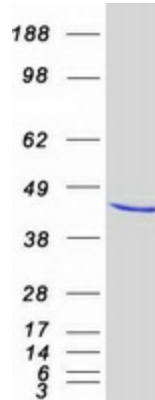
Cytogenetics: 17q25.3

Summary: 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. [provided by RefSeq, Jul 2008]

Protein Families: Druggable Genome

Protein Pathways: Spliceosome

Product images:



Coomassie blue staining of purified EIF4A3 protein (Cat# [TP302567]). The protein was produced from HEK293T cells transfected with EIF4A3 cDNA clone (Cat# [RC202567]) using MegaTran 2.0 (Cat# [TT210002]).