Recombinant Full Length Human EIF4A3 Protein, GST-tagged

Cat. No. EIF4A3-2617HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human DDX48 full-length ORF (NP_055555.1, 1 a.a. - 411 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	411 amino acids
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. [provided by RefSeq, Jul 2008]
Molecular Mass	73.3 kDa
AA Sequence	MATTATMATSGSARKRLLKEEDMTKVEFETSEEVDVTPTFDTMGLREDLLRGIYAYG FEKPSAIQQRAIKQIIKGRDVIAQSQSGTGKTATFSISVLQCLDIQVRETQALILAPTRE LAVQIQKGLLALGDYMNVQCHACIGGTNVGEDIRKLDYGQHVVAGTPGRVFDMIRR

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	RSLRTRAIKMLVLDEADEMLNKGFKEQIYDVYRYLPPATQVVLISATLPHEILEMTNKF MTDPIRILVKRDELTLEGIKQFFVAVEREEWKFDTLCDLYDTLTITQAVIFCNTKRKVD WLTEKMREANFTVSSMHGDMPQKERESIMKEFRSGASRVLISTDVWARGLDVPQV SLIINYDLPNNRELYIHRIGRSGRYGRKGVAINFVKNDDIRILRDIEQYYSTQIDEMPMN VADLI
Applications	Enzyme-linked Immunoabsorbent Assay Western Blot (Recombinant protein) Antibody Production Protein Array
Notes	Best use within three months from the date of receipt of this protein.
Storage	Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

GENE INFORMATION

Gene Name	EIF4A3 eukaryotic translation initiation factor 4A3 [Homo sapiens]
Official Symbol	EIF4A3
Synonyms	EIF4A3; eukaryotic translation initiation factor 4A3; DDX48, DEAD (Asp Glu Ala Asp) box polypeptide 48 , eukaryotic translation initiation factor 4A, isoform 3; eukaryotic initiation factor 4A-III; EIF4AIII; KIAA0111; NMP 265; hNMP 265; eIF4A-III; eIF-4A-III; DEAD box protein 48; nuclear matrix protein 265; ATP-dependent RNA helicase DDX48; ATP-dependent RNA helicase eIF4A-3; DEAD (Asp-Glu-Ala-Asp) box polypeptide 48; eukaryotic initiation factor 4A-like NUK-34; eukaryotic translation initiation factor 4A, isoform 3; DDX48; NUK34; NMP265; eIF4AIII; MGC10862; DKFZp686O16189;

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Gene ID	9775
mRNA Refseq	NM_014740
Protein Refseq	NP_055555
MIM	608546
UniProt ID	P38919

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