

# Recombinant Full Length Human EIF4A3 Protein, GST-tagged

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

## SPECIFICATION

<b>Product Overview</b>	Human DDX48 full-length ORF ( NP_055555.1, 1 a.a. - 411 a.a.) recombinant protein with GST-tag at N-terminal.
<b>Species</b>	Human
<b>Source</b>	In Vitro Cell Free System
<b>ProteinLength</b>	411 amino acids
<b>Description</b>	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]
<b>Molecular Mass</b>	73.3 kDa
<b>AA Sequence</b>	MATTATMATSGSARKRLLKEEDMTKVEFETSEEVDVTPPTFDTMGLREDLLRGIYAYG FEKPSAIQQRAIKQIIKGRDVIAQSQSGTGKTATFSISVLQCLDIQVRETQALILAPTRE LAVQIQKGLLALGDYMNQVQCHACIGGTNVGEDIRKLDYGGHVVAGTPGRVDFMIRR

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RSLRTRAIKMLVLDEADEMLNKGFKQIYDVYRYLPPATQVVLISATLPHEILEMTNKF  
 MTDPIRILVKRDELTLLEGIKQFFVAVEREEWKFDTLCDLYDTLTITQAVIFCNTKRKVD  
 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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