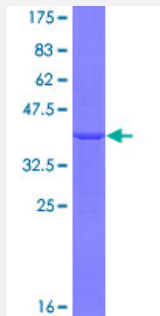


DDX48 (Human) Recombinant Protein (Q01)

Catalog # H00009775-Q01

Size 25 ug, 10 ug

Applications



Specification

Product Description	Human DDX48 partial ORF (NP_055555, 312 a.a. - 411 a.a.) recombinant protein with GST-tag at N-terminal.
Sequence	PQKERESIMKEFRSGASRVLISTDVWARGLDVPQVSLIINYDLPNNRELYIHRIGRSGRYGRKGVAIN FVKND DIRILRDIEQYYSTQIDEMPMNVADLI
Host	Wheat Germ (in vitro)
Theoretical MW (kDa)	36.74
Interspecies Antigen Sequence	Mouse (99); Rat (99)
Preparation Method	in vitro wheat germ expression system
Purification	Glutathione Sepharose 4 Fast Flow
Quality Control Testing	12.5% SDS-PAGE Stained with Coomassie Blue.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
Storage Instruction	Store at -80°C. Aliquot to avoid repeated freezing and thawing.
Note	Best use within three months from the date of receipt of this protein.

Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)
- Antibody Production
- Protein Array

Gene Info — EIF4A3

Entrez GeneID [9775](#)

GeneBank Accession# [NM_014740](#)

Protein Accession# [NP_055555](#)

Gene Name EIF4A3

Gene Alias DDX48, KIAA0111, MGC10862, NMP265, NUK-34, eIF4AIII, hNMP265

Gene Description eukaryotic translation initiation factor 4A, isoform 3

Omim ID [608546](#)

Gene Ontology [Hyperlink](#)

Gene 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 eIF4A1 and eIF4AII, two other members of the DEAD box protein family. [provided by RefSeq]

Other Designations DEAD (Asp-Glu-Ala-Asp) box polypeptide 48|eukaryotic initiation factor 4A-like NUK-34