Datasheet

Human DDX48 Recombinant Protein

Catalog Number: BGT-PPT-21164

**Regulation Status:** For research use only (RUO)

Product Description: Human DDX48 full-length ORF (NP_055555.1, 1 a.a. - 411 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence:
MATTATMATSGSARKRLLKEEDMTKVEFETSEEVDVT
PTFDTMGLREDLLRGIYAYGFEKPSAIQQRAIKQIIKGR
DVIAQSQSGTGKTATFSISVLQCLDIQVRETQALILAPT
RELAVQIQKGLLALGDYMNVQCHACIGGTNVGEDIRKL
DYGQHVVAGTPGRVFDMIRRRSLRTRAIKMLVLDEAD
EMLNKGFKEQIYDVYRYLPPATQVVLISATLPHEILEMT
NKFMTDPIRILVKRDELTLEGIKQFFVAVEREEWKFDTL
CDLYDTLTITQAVIFCNTKRKVDWLTEKMREANFTVSS
MHGDMPQKERESIMKEFRSGASRVLISTDVWARGLD
VPQVSLIINYDLPNNRELYIHRIGRSGRYGRKGVAINFV
KNDDIRILRDIEQYYSTQIDEMPMNVADLI

Host: Wheat Germ (in vitro)

Theoretical MW (kDa): 73.3
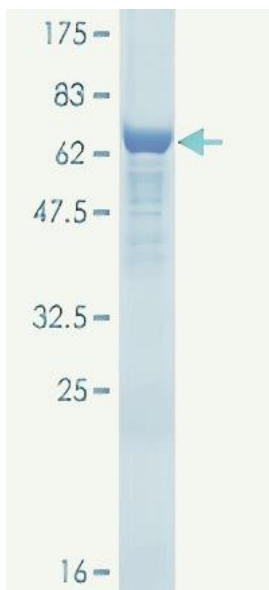
Interspecies Antigen Sequence: Mouse (99); Rat (99)

Applications: AP, Array, ELISA, WB-Re

Preparation Method: in vitro wheat germ expression system

Purification: Glutathione Sepharose 4 Fast Flow

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.

Entrez GeneID: 9775

Gene Symbol: EIF4A3

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

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 eIF4AI and eIF4AII, two other members of the DEAD box protein family. [provided by RefSeq]