

Product datasheet for AR50159PU-N

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OriGene Technologies, Inc.

EIF4A3 (1-411, His-tag) Human Protein

Product data:

Product Type: Recombinant Proteins

Description: EIF4A3 (1-411, His-tag) human recombinant protein, 0.5 mg

Species: Human
Expression Host: E. coli

Expression cDNA Clone MGSSHHHHHH SSGLVPRGSH MGSHMATTAT MATSGSARKR LLKEEDMTKV EFETSEEVDV

or AA Sequence: TPTFDTMGLR EDLLRGIYAY GFEKPSAIQQ RAIKQIIKGR DVIAQSQSGT GKTATFSISV LQCLDIQVRE

TQALILAPTR ELAVQIQKGL LALGDYMNVQ CHACIGGTNV GEDIRKLDYG QHVVAGTPGR VFDMIRRRSL RTRAIKMLVL DEADEMLNKG FKEQIYDVYR YLPPATQVVL ISATLPHEIL

EMTNKFMTDP IRILVKRDEL TLEGIKQFFV AVEREEWKFD TLCDLYDTLT ITQAVIFCNT KRKVDWLTEK

MREANFTVSS MHGDMPQKER ESIMKEFRSG ASRVLISTDV WARGLDVPQV SLIINYDLPN

NRELYIHRIG RSGRYGRKGV AINFVKNDDI RILRDIEQYY STQIDEMPMN VADLI

Tag: His-tag

Predicted MW: 49.4 kDa

Concentration: lot specific

Purity: >95% by SDS - PAGE

Buffer: Presentation State: Purified

State: Liquid purified protein

Buffer System: 20 mM Tris-HCl buffer (pH 8.0) containing 2 mM DTT, 30% glycerol, 200 mM

NaCl

Preparation: Liquid purified protein

Protein Description: Recombinant human EIF4A3 protein, fused to His-tag at N-terminus, was expressed in E.coli

and purified by using conventional chromatography techniques.

Storage: Store undiluted at 2-8°C for one week or (in aliquots) at -20°C to -80°C for longer.

Avoid repeated freezing and thawing.

Stability: Shelf life: one year from despatch.

RefSeq: NP 055555

Locus ID: 9775

UniProt ID: P38919





Cytogenetics: 17q25.3

Synonyms: DDX48, Eukaryotic initiation factor 4A-III, NMP265, Nuclear matrix protein 265, DEAD box

protein 48, NUK34, KIAA0111, EIF4A-3

Summary: This gene encodes a member of the DEAD box protein family. DEAD box proteins,

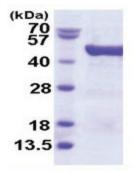
characterized by the conserved motif Asp-Glu-Ala-Asp (DEAD), are putative RNA helicases. They are implicated in a number of cellular processes involving alteration of RNA secondary structure, such as translation initiation, nuclear and mitochondrial splicing, and ribosome and spliceosome assembly. Based 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 eIF4Al and eIF4All, two other members of the DEAD box protein family. [provided by RefSeq,

Jul 2008]

Protein Families: Druggable Genome

Protein Pathways: Spliceosome

Product images:



15% SDS-PAGE (3ug)