

## Recombinant Human EIF4A2 protein, His-tagged

**Cat. No.** EIF4A2-3917H    **Lot. No.** (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
|-------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant Human EIF4A2 protein(1-408 aa), fused to His tag, was expressed in E. coli.                                                                                                                                                                                                                                                                                                                                                            |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>Source</b>           | E.coli                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>ProteinLength</b>    | 1-408 aa                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>Form</b>             | The purified protein was Lyophilized from sterile PBS (58mM Na <sub>2</sub> HPO <sub>4</sub> , 17mM NaH <sub>2</sub> PO <sub>4</sub> , 68mM NaCl, pH7.4). 5 % trehalose and 5 % mannitol are added as protectant before lyophilization. The elution buffer contain 300mM imidazole.                                                                                                                                                                |
| <b>AA Sequence</b>      | MSGGSADYNSREHGGPEGMDPDGVIESNWNEIVDNFDDMNLKESLLRGIYAYGFE<br>KPSAIQQRRAIIPCIKGYDVIAQAQSGTGKTATFAISILQQLEIEFKETQALVLAPTRELA<br>QQIQKVILALGDYMGATCHACIGGTNVRNEMQKLQAEAPHIVVGTPGRVFDMLNRR<br>YLSPKWIKMFVLDEADEMLSRGFKDQIYEIFQKLNTSIQVVLLSATMPTDVLEVTKKF<br>MRDPIRILVKKEELTLEGIKQFYINVEREEWKDLTCLDYETLTITQAVIFLNTRRKVD<br>WLTEKMHardFTVSALHGDMDQKerDVIMREFRSGSSRVLITDLLARGIDVQQVS<br>LVINYDLPTNRENIHRIGRGGRFGRKGVAINFVTEEDKRILRDIETFYNTTVEEMPM<br>NVADLI |
| <b>Purity</b>           | 90%, by SDS-PAGE with Coomassie Brilliant Blue staining.                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>Storage</b>          | Short-term storage: Store at 2-8°C for (1-2 weeks).                                                                                                                                                                                                                                                                                                                                                                                                |

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Long-term storage: Aliquot and store at -20°C to -80°C for up to 3 months, buffer containing 50% glycerol is recommended for reconstitution. Avoid repeat freeze-thaw cycles.

**Reconstitution**

Reconstitute at 0.25 g/μl in 200 μl sterile water for short-term storage.  
Reconstitution with 200 μl 50% glycerol solution is recommended for longer term storage.

## GENE INFORMATION

**Gene Name**

EIF4A2 eukaryotic translation initiation factor 4A2 [ Homo sapiens ]

**Official Symbol**

EIF4A2

**Synonyms**

EIF4A2; eukaryotic translation initiation factor 4A2; EIF4F, eukaryotic translation initiation factor 4A, isoform 2; eukaryotic initiation factor 4A-II; BM 010; DDX2B; EIF4A; ATP-dependent RNA helicase eIF4A-2; eukaryotic translation initiation factor 4A, isoform 2; EIF4F; BM-010; eIF4A-II; eIF-4A-II;

**Gene ID**

1974

**mRNA Refseq**

NM\_001967

**Protein Refseq**

NP\_001958

**MIM**

601102

**UniProt ID**

Q14240

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