Recombinant Human EIF4A2 protein, His-tagged

Cat. No. EIF4A2-47H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human EIF4A2, fused with N-His tag, was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	422aa(including fusion tag)
Description	ATP-dependent RNA helicase which is a subunit of the eIF4F complex involved in cap recognition and is required for mRNA binding to ribosome. In the current model of translation initiation, eIF4A unwinds RNA secondary structures in the 5"-UTR of mRNAs which is necessary to allow efficient binding of the small ribosomal subunit, and subsequent scanning for the initiator codon.
Form	20mM Tris.Cl, 50mM NaCl, 20% Glycerol, pH8.0.
Molecular Mass	48.3kDa(including fusion tag)
Applications	WB, ELISA, IP, antibody production, protein array
Storage	Store at -80°C and avoid repeated freeze-thaw cycles

GENE INFORMATION

Gene Name	EIF4A2 eukaryotic translation initiation factor 4A2 [Homo sapiens]

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Official Symbol	EIF4A2
Synonyms	EIF4A2; BM 010; DDX2B; EIF4A; EIF4F; BM-010; eIF4A-II; eIF-4A-II;
Gene ID	1974
mRNA Refseq	NM_001967
Protein Refseq	NP_001958
MIM	601102
UniProt ID	Q14240
Chromosome Location	Activation of the mRNA upon binding of the cap-binding complex and eIFs, and subsequent binding to 43S, organism-specific biosystem; Antiviral mechanism by IFN-stimulated genes, organism-specific biosystem; Cap-dependent Translation Initiation, organism-specific biosystem; Cytokine Signaling in Immune system, organism-specific biosystem; Deadenylation of mRNA, organism-specific biosystem; Deadenylation-dependent mRNA decay, organism-specific biosystem; Eukaryotic Translation Initiation, organism-specific biosystem;
Pathway	ATP binding; ATP-dependent helicase activity; RNA binding; helicase activity; hydrolase activity; nucleic acid binding; nucleotide binding;

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