

Recombinant Human EIF4A1 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. EIF4A1-6247H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	EIF4A1 MS Standard C13 and N15-labeled recombinant protein (NP_001407) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	EIF4A1 (Eukaryotic Translation Initiation Factor 4A1) is a Protein Coding gene. Diseases associated with EIF4A1 include Noonan Syndrome 6. Among its related pathways are Translation Translation regulation by Alpha-1 adrenergic receptors and Activation of the mRNA upon binding of the cap-binding complex and eIFs, and subsequent binding to 43S. Gene Ontology (GO) annotations related to this gene include nucleic acid binding and hydrolase activity. An important paralog of this gene is EIF4A2.
Molecular Mass	46.2 kDa
AA Sequence	MSASQDSRSRDNGPDGMEPEGVIESNWNEIVDSFDDMNLSESLLRGIYAYGFEKPS AIQQRAILPCIKGYDVIAQAQSGTGKTATFAISILQQIELDLKATQALVLAPTRELAQQI QKVVMALGDYMGASCHACIGGTNVRAEVQKLQMEAPHIIVGTPGRVFDMLNRRYLS PKYIKMFVLDEADEMLSRGFKDQIYDIFQKLNSNTQVLLSATMPSDVLEVTKKFMK DPIRILVKKEELTLEGIRQFYINVEREEWKLDLTCLDYETLTITQAVIFINTRRKVDWLT EKMHardFTVSAMHGMDQKERDVIMREFRSGSSRVLITDILLARGIDVQQVSLVIN

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YDLPTNRENYIHRIGRGGFRGRKGVAINMVTEEDKRTLRLDIETFYNTSIEEMPLNVAD
LISGPTTRTRPLEQKLISEEDLAANDILDYKDDDDKV

Purity > 80% as determined by SDS-PAGE and Coomassie blue staining

Stability Stable for 3 months from receipt of products under proper storage and handling conditions.

Storage Store at -80 centigrade. Avoid repeated freeze-thaw cycles.

Concentration 50 µg/mL as determined by BCA

Storage Buffer 100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

Gene Name EIF4A1 eukaryotic translation initiation factor 4A1 [Homo sapiens (human)]

Official Symbol EIF4A1

Synonyms EIF4A1; eukaryotic translation initiation factor 4A1; EIF4A, eukaryotic translation initiation factor 4A, isoform 1; eukaryotic initiation factor 4A-I; DDX2A; EIF 4A; eukaryotic initiation factor 4AI; ATP-dependent RNA helicase eIF4A-1; eukaryotic translation initiation factor 4A, isoform 1; EIF4A; EIF-4A; eIF4A-I; eIF-4A-I;

Gene ID 1973

mRNA Refseq NM_001416

Protein Refseq NP_001407

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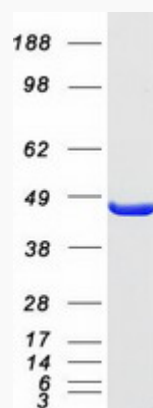
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MIM 602641

UniProt ID P60842

SDS-PAGE



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