

Recombinant Human EIF2A, His-tagged

Cat. No. EIF2A-28490TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant full length Human eIF2S1 with N terminal His tag; MWt 38.2kDa ,
Species	Human
Source	E.coli
ProteinLength	315 amino acids
Description	EIF2A is a 65-kD protein that catalyzes the formation of puromycin-sensitive 80S preinitiation complexes (Zoll et al.
Conjugation	HIS
Molecular Weight	38.200kDa inclusive of tags
Tissue specificity	Widely expressed. Expressed at higher level in pancreas, heart, brain and placenta.
Form	Liquid
Storage buffer	Preservative: None Constituents: 10% Glycerol, 0.1M Sodium chloride, 20mM Tris HCl, pH 8.0
Storage	Store at +4°C short term (1-2 weeks). Aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.

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Sequences of amino acids

MGSSHHHHHH SSGLVPRGSH MPGLSCRFYQ HKFPEVEDVV MVNVRSAEM
 GAYVSLLEYN NIEGMILLSE LSRRRIRSIN KLIRIGRNEC VVIRVDKEK
 GYIDLSKRRV SPEEAIKCED KFTKSKTVYS ILRHVAEVLE YTKDEQLESL
 FQRTAWVFDD KYKRPGYGAY DAFKHAVSDP SILDSLNE DEREVLINNI
 NRRLTPQAVK IRADIEVACY GYEGIDAVKE ALRAGLNCST ENMPIKINLI
 APPRYVMTT TLERTEGLSV LSQAMAVIKE KIEEKG VFN VQMEPKVVT
 TDETELARQM ERLERENAEV DGDDDAEEME AKAED

Sequence Similarities

Belongs to the WD repeat EIF2A family. Contains 3 WD repeats.

GENE INFORMATION

Gene Name EIF2A eukaryotic translation initiation factor 2A, 65kDa [Homo sapiens]

Official Symbol EIF2A

Synonyms EIF2A; eukaryotic translation initiation factor 2A, 65kDa; eukaryotic translation initiation factor 2A; EIF 2A;

Gene ID 83939

mRNA Refseq NM_032025

Protein Refseq NP_114414

MIM 609234

Uniprot ID Q9BY44

Chromosome Location 3q25.1

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Pathway	IL-6 Signaling Pathway, organism-specific biosystem; TGF-beta receptor signaling, organism-specific biosystem;
Function	ribosome binding; tRNA binding; translation initiation factor activity;

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