

## Recombinant Human EIF2A, His-tagged

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

### SPECIFICATION

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

 Tel: 1-631-559-9269    1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)     Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

**Sequences of amino acids**

MGSSHHHHHH SSGLVPRGSH MPGLSCRFYQ HKFPEVEDVV MVNVRSIAEM  
 GAYVSLLEYN NIEGMILLSE LSRRRIRSIN KLIRIGRNEC VVIRVDKEK  
 GYIDLSKRRV SPEEAIKCED KFTKSKTVYS ILRHVAEVLE YTKDEQLESL  
 FQRTAWVFDD KYKRPYGAY DAFKHAVSDP SILDSLNE DEREVLINNI  
 NRRLTPQAVK IRADIEVACY GYEGIDAVKE ALRAGLNCST ENMPIKINLI  
 APPRYVMTT TLERTEGLSV LSQAMAVIKE KIEEKRGVFN VQMEPKVVTD  
 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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<b>Pathway</b>	IL-6 Signaling Pathway, organism-specific biosystem; TGF-beta receptor signaling, organism-specific biosystem;
<b>Function</b>	ribosome binding; tRNA binding; translation initiation factor activity;

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