

Product datasheet for **AR51214PU-S**

EIF3I / EIF3S2 (1-325, His-tag) Human Protein

Product data:

Product Type:	Recombinant Proteins
Description:	EIF3I / EIF3S2 (1-325, His-tag) human recombinant protein, 0.1 mg
Species:	Human
Expression Host:	E. coli
Expression cDNA Clone or AA Sequence:	MGSSHHHHHH SSGLVPRGSH MGSMKPILLQ GHERSITQIK YNREGDLLFT VAKDPIVNVW YSVNGERLGT YMGHTGAVWC VDADWDTKHV LTGSADNSCR LWDCEGTGKQL ALLKTNSAVR TCGFDFGGNI IMFSTDKQMG YQCFVSFFDL RDPSQIDNNE PYMKIPCNDS KITSAVWGPL GECIIAGHES GELNQYSAKS GEVLVNVKEH SRQINDIQLS RDMTMFTAS KDNTAKLFDS TTLEHQKTR TERPVNSAAL SPNYDHVVLG GGQEAMDVTT TSTRIGKFEA RFFHLAFEEE FGRVKGHFGP INSVAFHPDG KSYSSGGEDG YVRIHYFDPQ YFEFEFEA
Tag:	His-tag
Predicted MW:	38.9 kDa
Concentration:	lot specific
Purity:	>90% by SDS - PAGE
Buffer:	Presentation State: This purified protein is available in a denatured form, making it less suitable for functional studies. Denatured proteins are better suited for applications like Western Blot (WB) or imaging assays. State: Liquid purified protein Buffer System: 20 mM Tris-HCl buffer (pH 8.0) containing 10% glycerol 0.4M Urea
Preparation:	Liquid purified protein
Protein Description:	Recombinant human EIF3I protein, fused to His-tag at N-terminus, was expressed in E.coli.
Storage:	Store undiluted at 2-8°C for one week or (in aliquots) at -20°C to -80°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
RefSeq:	NP_003748
Locus ID:	8668
UniProt ID:	Q13347 , Q5U0F4
Cytogenetics:	1p35.2



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Synonyms: eIF-3-beta, eIF3 p36, TRIP1, TRIP-1

Summary: Component of the eukaryotic translation initiation factor 3 (eIF-3) complex, which is required for several steps in the initiation of protein synthesis (PubMed:17581632, PubMed:25849773, PubMed:27462815). The eIF-3 complex associates with the 40S ribosome and facilitates the recruitment of eIF-1, eIF-1A, eIF-2:GTP:methionyl-tRNA_i and eIF-5 to form the 43S pre-initiation complex (43S PIC). The eIF-3 complex stimulates mRNA recruitment to the 43S PIC and scanning of the mRNA for AUG recognition. The eIF-3 complex is also required for disassembly and recycling of post-termination ribosomal complexes and subsequently prevents premature joining of the 40S and 60S ribosomal subunits prior to initiation (PubMed:17581632). The eIF-3 complex specifically targets and initiates translation of a subset of mRNAs involved in cell proliferation, including cell cycling, differentiation and apoptosis, and uses different modes of RNA stem-loop binding to exert either translational activation or repression (PubMed:25849773).[UniProtKB/Swiss-Prot Function]

Product images:

