

Product datasheet

Recombinant Human EIF3S2 protein (denatured)
ab171491

1 Image

Description	
Product name	Recombinant Human EIF3S2 protein (denatured)
Purity	> 90 % SDS-PAGE.
Expression system	Escherichia coli
Accession	<u>Q13347</u>
Protein length	Full length protein
Animal free	No
Nature	Recombinant
Species	Human
Sequence	MGSSHHHHHH SSGLVPRGSH MGSMKPILLQ GHERSITQIK YNREGDLLFT VAKDPVNVW YSVNGERLGT YMGHTGAVWC VDADWDTKHV LTGSADNSCR LWDCETGKQL ALLKTNSAVR TCGDFDGGNI IMFSTDKQMG YQCFVSFFDL RDPSQIDNNE PYMKIPCNDK KITSVWGWPL GECIAGHES GELNQYSAKS GEVLVNVKEH SRQINDIQLS RDMTMFVTAS KDNTAKLFDS TTLEHQKTFR TERPVNSAAL SPNYDHSVVG GGQEAMDVTT TSTRIGKFEA RFFHLAFEEE FGRVKGHFGP INSVAFHPDG KSYSSGGEDG YVRIHYFDPQ YFEFEFEA
Predicted molecular weight	39 kDa including tags
Amino acids	1 to 325
Tags	His tag N-Terminus

Specifications	
Our Abpromise guarantee covers the use of ab171491 in the following tested applications.	
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.	
Applications	SDS-PAGE
Form	Liquid

Preparation and Storage

Stability and Storage

Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C or -80°C. Avoid freeze / thaw cycle.

pH: 8.00

Constituents: 2.4% Urea, 0.32% Tris HCl, 10% Glycerol (glycerin, glycerine)

General Info

Function

Component of the eukaryotic translation initiation factor 3 (eIF-3) complex, which is required for several steps in the initiation of protein synthesis. 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 preinitiation 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.

Sequence similarities

Belongs to the eIF-3 subunit I family.

Contains 5 WD repeats.

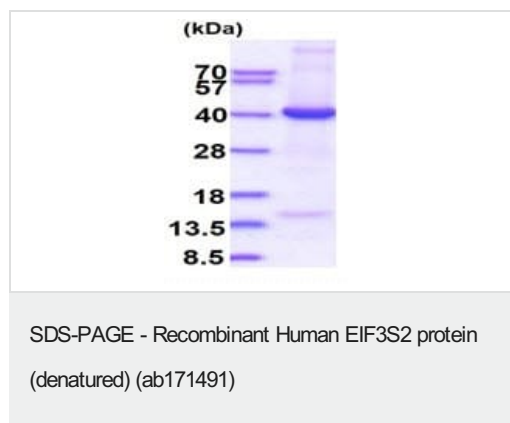
Post-translational modifications

Phosphorylated by TGF-beta type II receptor.

Cellular localization

Cytoplasm.

Images



15% SDS-PAGE analysis of 3µg ab171491.

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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