abcam

Product datasheet

Recombinant Human EIF3S1/EIF3J protein ab113578

1 Image

Description

Product name	Recombinant Human EIF3S1/EIF3J protein
Purity	> 90 % SDS-PAGE. ab113578 is purified using conventional chromatography techniques.
Expression system	Escherichia coli
Accession	O75822
Protein length	Protein fragment
Animal free	No
Nature	Recombinant
Species	Human
Sequence	**MGSSHHHHHH**SSGLVPRGSHMKISEKKKIAEKIKEKERQQKKRQEEIKKR LEEPEEPKVLTPEEQLADKLRLKKLQEESDLELAKETFGV NNAVYGIDAM NPSSRDDFTEFGKLLKDKITQYEKSLYYASFLEVLVRDVCI SLEIDDLKK ITNSLTVLCSEKQKQEKQSKAKKKKKGVVPGGGLKATMK DDLADYGGYDG GYVQDYEDFM
Predicted molecular weight	24 kDa including tags
Amino acids	70 to 258
Tags	His tag N-Terminus

Specifications

Our **Abpromise guarantee** covers the use of **ab113578** 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 Mass Spectrometry
Mass spectrometry	MALDI-TOF
Form	Liquid
Additional notes	This product was previously labelled as EIF3S1

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: 0.03% DTT, 0.02% Tris HCl, 10% Glycerol (glycerin, glycerine), 1.17% Sodium chloride

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-tRNAi 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 posttermination ribosomal complexes and subsequently prevents premature joining of the 40S and 60S ribosomal subunits prior to initiation. This subunit binds directly within the mRNA entry channel of the 40S ribosome to the aminoacyl (A) site. It may regulate the interaction between the 43S PIC and mRNA.

Sequence similarities

Belongs to the eIF-3 subunit J family.

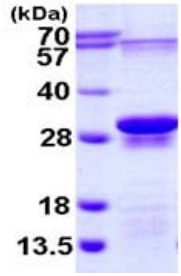
Post-translational modifications

Phosphorylated. Phosphorylation is enhanced upon serum stimulation.

Cellular localization

Cytoplasm.

Images



SDS-PAGE - Recombinant Human EIF3S1/EIF3J protein (ab113578)

15% SDS-PAGE showing ab113578 at approximately 24.0kDa (3µg).

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

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- Response to your inquiry within 24 hours
- We provide support in Chinese, English, French, German, Japanese and Spanish
- Extensive multi-media technical resources to help you
- We investigate all quality concerns to ensure our products perform to the highest standards

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