abcam

Product datasheet

Recombinant Human eIF5A2 protein ab99140

1 Image

Description

Product name	Recombinant Human eIF5A2 protein
Purity	>= 85 % SDS-PAGE. ab99140 was purified using conventional chromatography.
Expression system	Escherichia coli
Accession	Q9GZV4
Protein length	Full length protein
Animal free	No
Nature	Recombinant
Species	Human
Sequence	**MGSSHHHHHHSSGLVPRGSH**MADEIDFTTGDAGASSTY PMQCSALRKNGF VVLKGRPCKIVEMSTSKTGKHGHAKVHLVGIDIFTGKKYED ICPSTHNMD VPNIKRNDYQLICIQDGYLSLLTETGEVREDLKLPEGELGK EIEGKYNAG EDVQVSVMCAMSEEYAVAIKPCK
Predicted molecular weight	19 kDa including tags
Amino acids	1 to 153
Tags	His tag N-Terminus

Specifications

Our **Abpromise guarantee** covers the use of **ab99140** 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

Preparation and Storage

Stability and Storage	Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw

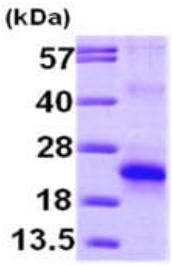
cycles.

pH: 8.00
Constituents: 0.316% Tris HCl, 10% Glycerol (glycerin, glycerine)

General Info

Function	mRNA-binding protein involved in translation elongation. Has an important function at the level of mRNA turnover, probably acting downstream of decapping. Involved in actin dynamics and cell cycle progression, mRNA decay and probably in a pathway involved in stress response and maintenance of cell wall integrity. Functions as a regulator of apoptosis. Mediates effects of polyamines on neuronal process extension and survival. May play an important role in brain development and function, and in skeletal muscle stem cell differentiation.
Tissue specificity	Expressed in ovarian and colorectal cancer cell lines (at protein level). Highly expressed in testis. Overexpressed in some cancer cells.
Sequence similarities	Belongs to the eIF-5A family.
Post-translational modifications	eIF-5A seems to be the only eukaryotic protein to have an hypusine residue which is a post-translational modification of a lysine by the addition of a butylamino group (from spermidine).
Cellular localization	Cytoplasm. Nucleus. Endoplasmic reticulum membrane. Nucleus > nuclear pore complex. Hypusine modification promotes the nuclear export and cytoplasmic localization and there was a dynamic shift in the localization from predominantly cytoplasmic to primarily nuclear under apoptotic inducing conditions.

Images



SDS-PAGE - Recombinant Human eIF5A2 protein (ab99140)

15% SDS-PAGE analysis of 3µg ab99140

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

Our Abpromise to you: Quality guaranteed and expert technical support

- Replacement or refund for products not performing as stated on the datasheet
- Valid for 12 months from date of delivery
- 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

If the product does not perform as described on this datasheet, we will offer a refund or replacement. For full details of the Abpromise, please visit **https://www.abcam.com/abpromise** or contact our technical team.

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