

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	MGSSHHHHHHSSGLVPRGSHMADEIDFTTGDAGASSTY PMQCSALRKNGF VVLKGRPCKIVEMSTSKTGKHGHAKVHLVGDIFTGKKYED ICPSTHNMD VPNIKRNDYQLICIQDGYLSLLTETGEVREDLKLPEGELGK EIEGKYNAG EDVQVSVCMCAMSEEYAVAIKPKCK	
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.

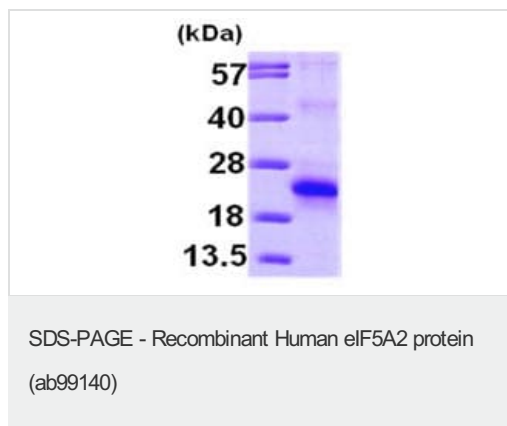
Post-translational modifications

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



15% SDS-PAGE analysis of 3µg ab99140

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