

Recombinant human eIF-5A1/EIF5A protein

Catalog Number: ATGP0272

PRODUCT INFORMATION

Expression system

E.coli

Domain

1-154aa

UniProt No.

P63241

NCBI Accession No.

NP_001961

Alternative Names

Eukaryotic translation initiation factor 5A-1 isoform B, Eukaryotic translation initiation factor 5A, Eukaryotic translation initiation factor 5A-1, eIF-5A-1, Eukaryotic initiation factor 5A isoform 1, eIF-5A, Rev-binding factor, eIF-4D

PRODUCT SPECIFICATION

Molecular Weight

16.8 kDa (154aa) confirmed by MALDI-TOF

Concentration

1mg/ml (determined by Bradford assay)

Formulation

Liquid in. 50mM Tris-HCl buffer (pH 7.5) containing 10 % glycerol

Purity

> 95% by SDS-PAGE

Tag

Non-Tagged

Application

SDS-PAGE

Storage Condition

Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

BACKGROUND

Description

Eukaryotic translation initiation factor 5A (eIF5A) is the only protein known to contain unusual amino acid formed by the action of deoxyhypusine synthase and deoxyhypusine hydroxylase using spermidine as the substrate. This protein was previously reported to be involved in the first step of peptide bond formation in translation; however more recent work implicates it as a universally conserved translation elongation factor. Modulation of

Recombinant human eIF-5A1/EIF5A protein

Catalog Number: ATGP0272

eIF5A has been linked to proliferation and cancer. Recombinant human eIF5A protein was expressed in *E. coli* and purified by using conventional chromatography techniques.

Amino acid Sequence

MADDLDFETG DAGASATFPM QCSALRKNGF VVLKGRPCKI VEMSTSKTGK HGHAKVHLVG IDIFTGKKYE DICPSTHNMD
VPNIKRNDFFQ LIGIQDGYLS LLQDSGEVRE DLRLPEGD LG KEIEQKYDCG EEILITVLSA MTEEA AVAIK AMAK

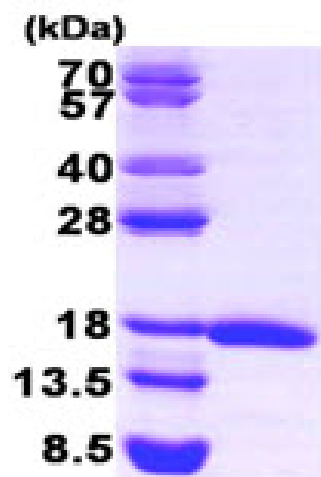
General References

Saini P, et al. (2009). *Nature*. 459(7243):118-21

Gosslau A., et al. (2009). *J Cell Physiol*. 219(2):485-93

DATA

SDS-PAGE



3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.

15% SDS-PAGE (3ug)