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# 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



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elF5A has been linked to proliferation and cancer. Recombinant human elF5A protein was expressed in E. coli and purified by using conventional chromatography techniques.

# **Amino acid Sequence**

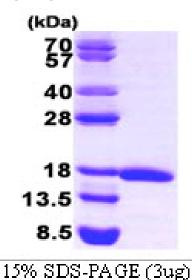
MADDLDFETG DAGASATFPM QCSALRKNGF VVLKGRPCKI VEMSTSKTGK HGHAKVHLVG IDIFTGKKYE DICPSTHNMD VPNIKRNDFQ LIGIQDGYLS LLQDSGEVRE DLRLPEGDLG KEIEQKYDCG EEILITVLSA MTEEAAVAIK AMAK

#### **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.

