

Product information

eIF5A, 1-154 aa

Human, Recombinant, *E.coli*

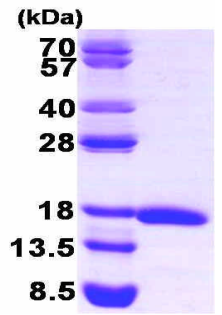
Cat. No. IBATGP0272

Full name: Eukaryotic translation initiation factor 5A isoform B

NCBI Accession No.: NP_001961

Synonyms: EIF-5A, EIF5A1, eIF5A1

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

<p>Form: Liquid. In 50 mM Tris-HCl buffer pH 7.5 containing 10 % glycerol</p> <p>Molecular Weight: 16.8 kDa (154 aa) , confirmed by MALDI-TOF</p> <p>Purity: > 95% by SDS - PAGE</p> <p>Concentration: 1.0 mg/ml (determined by Bradford assay)</p>	 <p>15% SDS-PAGE (3ug)</p>
--	--

Sequences of amino acids:

MADDLDFETG DAGASATFPM QCSALRKNKF VVLKGRPCKI VEMSTSKTGK HGHAKVHLVG IDIFTGKKYE DICPSTHMD VPNIKRNDFQ LIGIQDGYLS
LLQDSGEVRE DLRLPEGDLG KEIEQKYDCG EEILITVLSA MTEEAAVA1K 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

Storage: Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.

For research use only. This product is not intended or approved for human, diagnostics or veterinary use.