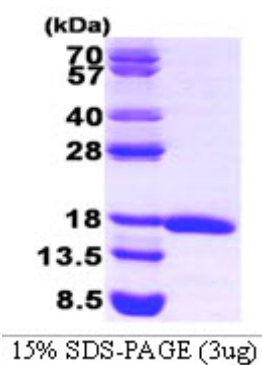


AR09149PU-L

Recombinant human eIF-5A (aa 1-154)

Alternate names:	Eukaryotic initiation factor 5A isoform 1, Eukaryotic translation initiation factor 5A-1, Rev-binding factor, eIF-4D, eIF-5A, eIF-5A-1, eIF-5A1
Quantity:	0.5 mg
Concentration:	1.0 mg/ml (determined by Bradford assay)
Background:	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.
Uniprot ID:	P63241
NCBI:	NP_001961
GeneID:	1984
Species:	Human
Source:	E. coli
Format:	State: Liquid purified protein Purity: >95% by SDS - PAGE Buffer System: 50 mM Tris-HCl buffer pH 7.5 containing 10 % glycerol
Description:	Recombinant human eIF5A protein was expressed in E. coli and purified by using conventional chromatography techniques. AA Sequence: MADDLDFETG DAGASATFPM QCSALRKNGF VVLKGRPCKI VEMSTSKTGK HGHAKVHLVG IDIFTGKKYE DICPSTHMD VPNIKRNDQF LIGIQDGYLS LLQDSGEVRE DLRLPEGDLG KEIEQKYDCG EEILITVLSA MTEEA AVAIK AMAK Molecular weight: 16.8 kDa (154 aa)
Storage:	Store undiluted at 2-8°C for up to two weeks or (in aliquots) at -20°C or -70°C for longer. Avoid repeated freezing and thawing. Shelf life: one year from despatch.
General Readings:	Saini P, et al. (2009). Nature. 459(7243):118-21. Gossiau A., et al. (2009). J Cell Physiol. 219(2):485-93.

Pictures:



Recombinant human eIF-5A (1-154 aa):
15% SDS-PAGE (3 μ g)

