

**eIF5A, 1-154 aa, Human, Recombinant, E.coli**

**Cat.NO.: TP02008**

3th Edition

**Synonyms:**Eukaryotic translation initiation factor 5A isoform B, EIF-5A, EIF5A1, eIF5AI

**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.

**Form:**Liquid. In 50 mM Tris-HCl buffer pH 7.5 containing 10 % glycerol

**Molecular Weight:**16.8 kDa (154 aa) , confirmed by MALDI-TOF

**Sequences:**

MADDLDFETGDAGASATFPMQCSALRKNGFVVLKGRPCKIVEMSTSKTGKHGHAKVHLVGIDIFTGKKYEDICPST  
HNMDVPNIKRNDFQLIGIQDGYLSLLQDSGEVREDLRLPEGDLGKEIEQKYDCGEEILITVLSAMTEEAAVAIKAMAK

**Purity:**> 95% by HPLC

**Concentration:**1 mg/ml (determined by Bradford assay)

**Endotoxin Level:**<1.0 EU per 1 ug of protein (determined by LAL method)

**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.