

**EIF1, 1-113aa, Human, His tag, E.coli**

**Cat.NO.: TP01988**

3th Edition

**Synonyms:**Eukaryotic translation initiation factor 1, A121, EIF-1, EIF1A, ISO1, SUI1

**Description:**EIF1, also known as eukaryotic translation initiation factor 1, is a universally conserved translation factor that is necessary for scanning and involved in initiation site selection. This protein promotes the assembly of 48S ribosomal complexes at the authentic initiation codon of a conventional capped mRNA. Recombinant human EIF1 protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.

**Form:**Liquid. In 20 mM Tris-HCl buffer (pH8.0) containing 1mM DTT,0.1 M NaCl, and 10% glycerol

**Molecular Weight:**16.9 kDa (150aa)

**Sequences:**

MRGSHHHHHHGMASMTGGQQMGRDLYDDDDKDRWAGSMSAIQNLHSFDPFADASKGDDLLPAGTEDYIHIRIQQ  
RNGRKTLTTVQGIADDYDKKKLVKAFKKKFACNGTVIEHPEYGEVIQLQGDQRKNICQFLVEIGLAKDDQLKVHGF

**Purity:**> 95% by HPLC

**Concentration:**0.5 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.