

EIF1B, 1-113aa, Human, His tag, E.coli

Cat.NO.: TP01991

3th Edition

Synonyms:Eukaryotic translation initiation factor 1B, GC20.

Description:EIF1B is crucial for the scanning process in vitro. During the scanning process, EIF1B is a component of a complex involved in recognition of the initiator codon. Translation is also initiated by the role of EIF1B in regulating the activity of ribosomal subunits 43S, 48S and 40S. This protein enables 43S ribosomal complexes to discern between cognate and near-cognate initiation codons, sensing the nucleotide content of initiation codons.

Form:Liquid. In 20mM Tris-HCl buffer(pH 8.0) containing 10% glycerol,2mM DTT, 0.1M NaCl.

Molecular Weight:15.0 kDa (133aa) confirmed by MALDI-TOF

Sequences:

MGSSHHHHHHSSGLVPRGSHMSTIQNLQSFDPFADATKGDDLLPAGTEDYIHIRIQQRNGRKTLLTVQGIADDYDK
KKLVKAFKKKFACNGTVIEHPEYGEVIQLQGDQRKNICQFLLEVGVKEEQLKVHGF

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.