

EEF1E1, 1-174aa, Human, His tag, E.coli

Cat.NO.: TP01972

3th Edition

Synonyms:Eukaryotic translation elongation factor 1 epsilon-1, AIMP3, P18.

Description:EEF1E1, also known as, eukaryotic translation elongation factor 1 epsilon-1, shares sequence similarity with the amino-terminal ends of the Beta and Gamma subunits of EF-1. By specifically interacting with MetRS, this protein binds to a macromolecular tRNA synthtase complex that catalyzes the ligation of specific amino acids to their cognate tRNAs.

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

Molecular Weight:21.9 kDa (194aa) confirmed by MALDI-TOF

Sequences:

MGSSHHHHHHSSGLVPRGSHMAAAAELSLLEKSLGLSKGNKYSAQGERQIPVLQTNNGPSLTGLTTIAAHLVKQAN
KEYLLGSTAEKAIVQQWLEYRVTQVDGHSSKNDIHTLLKDLNSYLEDKVYLTGYNFTLADILLYGLHRFIVDLTVQ
EKEKYLNVSRWFCHIQHYPGIRQHLSSVVFIGNRLYTNSH

Purity:> 95% by HPLC

Concentration:1.0 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.