

AR09962PU-L**Human EEF1E1 (1-174, His-tag) - Purified****Alternate names:**

AIMP3, Aminoacyl tRNA synthetase complex-interacting multifunctional protein 3, Elongation factor p18, Eukaryotic translation elongation factor 1 epsilon-1, Multisynthetase complex auxiliary component p18, P18

Quantity:

0.5 mg

Concentration:

1.0 mg/ml (determined by Bradford assay)

Background:

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 synthetase complex that catalyzes the ligation of specific amino acids to their cognate tRNAs. Upon DNA damage, it translocates to the nucleus where it interacts with ATM and ATR, resulting in p53 activation.

Uniprot ID:

[O43324](#)

NCBI:

[NP_004271](#)

GeneID:

[9521](#)

Species:

Human

Source:

E. coli

Format:

State: Liquid purified protein

Purity: >95%

Buffer System: 20mM Tris-HCl buffer (pH 8.0) containing 20% glycerol, 0.1M NaCl, 1mM DTT

Description:

Recombinant human EEF1E1 protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography

AA Sequence:

MGSSHHHHHH SSGLVPRGSH MAAAELSLL EKSLGLSKGN KYSAQGERQI PVLQTNNGPS
LTGLTTIAAH LVKQANKEYL LGSTAEKAI VQWLEYRVT QVDGHSSKND IHTLLKDLNS
YLEDKVYLTG YNFTLADILL YYGLHRFIVD LTVQEKEKYL NVSRWFCHIQ HYPGIRQHLS
SVVFIKNRLY TNSH

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

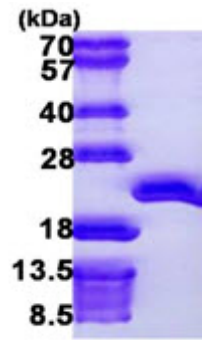
Storage:

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.

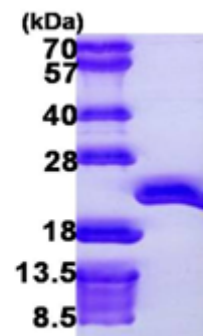
Shelf life: one year from despatch.

Pictures:



15% SDS-PAGE (3ug)

Recombinant human EEF1E1, 1-174 aa,
His-tagged



15% SDS-PAGE (3ug)