

## Product datasheet for **AR09962PU-L**

### EEF1E1 (1-174, His-tag) Human Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	EEF1E1 (1-174, His-tag) human recombinant protein, 0.5 mg
Species:	Human
Expression Host:	E. coli
Expression cDNA Clone or AA Sequence:	<u>MGSSHHHHHH SSGLVPRGSH</u> MAAAAELSLL EKSLGLSKGN KYSAQGERQI PVLQTNNGPS LTGLTTIAAH LVKQANKEYL LGSTAEKAI VQQWLEYRVT QVDGHSSKND IHTLLKDLNS YLEDKVYLTG YNFTLADILL YYGLHRFIVD LTVQEKEYL NVSRWFCHI Q HYPGIRQHLS SVVFIKNRLY TNSH
Tag:	His-tag
Predicted MW:	21.9 kDa
Concentration:	lot specific
Purity:	>95%
Buffer:	Presentation State: Purified State: Liquid purified protein Buffer System: 20 mM Tris-HCl buffer (pH 8.0) containing 20% glycerol, 0.1M NaCl, 1 mM DTT
Preparation:	Liquid purified protein
Protein Description:	Recombinant human EEF1E1 protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography
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.
Stability:	Shelf life: one year from despatch.
RefSeq:	<u>NP_001129122</u>
Locus ID:	9521
UniProt ID:	<u>O43324</u>
Cytogenetics:	6p24.3
Synonyms:	AIMP3; P18



[View online »](#)

**Summary:**

This gene encodes a multifunctional protein that localizes to both the cytoplasm and nucleus. In the cytoplasm, the encoded protein is an auxiliary component of the macromolecular aminoacyl-tRNA synthase complex. However, its mouse homolog has been shown to translocate to the nucleus in response to DNA damage, and it plays a positive role in ATM/ATR-mediated p53 activation. Alternative splicing results in multiple transcript variants. Read-through transcription also exists between this gene and the neighboring downstream MUTED (muted homolog) gene. An EEF1E1-related pseudogene has been identified on chromosome 2. [provided by RefSeq, Dec 2010]

**Protein Families:**

Druggable Genome

**Product images:**