

Recombinant Full Length Human EEF1E1 Protein, GST-tagged

Cat. No. EEF1E1-4209HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human EEF1E1 full-length ORF (AAH05291, 1 a.a. - 174 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	174 amino acids
Description	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]
Molecular Mass	44.88 kDa
AA Sequence	MAAAAELSLLEKSLGLSKGNKYSAQGERQIPVLQTNNGPSLTGLTTIAAHLVKQANK EYLLGSTAEKAIVQQWLEYRVTQVDGHSSKNDIHTLLKDLNSYLEDKVYLTGYNFT LADILLYYGLHRFIVDLTVQEKEKYLNVSRWFCHIQHYPGIRQHLSSVVFIKNRLYTNS H

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Applications	Enzyme-linked Immunoabsorbent Assay Western Blot (Recombinant protein) Antibody Production Protein Array
Notes	Best use within three months from the date of receipt of this protein.
Storage	Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

GENE INFORMATION

Gene Name	EEF1E1 eukaryotic translation elongation factor 1 epsilon 1 [Homo sapiens]
Official Symbol	EEF1E1
Synonyms	EEF1E1; eukaryotic translation elongation factor 1 epsilon 1; P18; eukaryotic translation elongation factor 1 epsilon-1; AIMP3; aminoacyl tRNA synthetase complex interacting multifunctional protein 3; ARS-interacting multifunctional protein 3; multisynthase complex auxiliary component p18; p18 component of aminoacyl-tRNA synthetase complex; aminoacyl tRNA synthetase complex-interacting multifunctional protein 3;
Gene ID	9521
mRNA Refseq	NM_001135650
Protein Refseq	NP_001129122
MIM	609206

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UniProt ID

O43324

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