

Recombinant Human EEF1D, His-tagged

Cat. No. EEF1D-28466TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant full length Human EEF1D with an N terminal His tag; 301 amino acids with a predicted MWt 33.2 kDa including tag.
Species	Human
Source	E.coli
ProteinLength	281 amino acids
Description	This gene encodes a subunit of the elongation factor-1 complex, which is responsible for the enzymatic delivery of aminoacyl tRNAs to the ribosome. This subunit, delta, functions as guanine nucleotide exchange factor. It is reported that following HIV-1 infection, this subunit interacts with HIV-1 Tat. This interaction results in repression of translation of host cell proteins and enhanced translation of viral proteins. Several alternatively spliced transcript variants encoding multiple isoforms have been found for this gene. Related pseudogenes have been defined on chromosomes 1, 6, 7, 9, 11, 13, 17, 19.
Conjugation	HIS
Molecular Weight	33.200kDa inclusive of tags
Form	Liquid
Purity	>90% by SDS-PAGE

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Storage buffer	Preservative: None Constituents: 10% Glycerol, 20mM Tris HCl, 1mM DTT, pH 8.0
Storage	Store at +4°C short term (1-2 weeks). Aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.
Sequences of amino acids	MGSSHHHHHSSGLVPRGSHMATNFLAHEKIWFDFKYDDAERRFYEQMNGPVA GASRQENGASVILRDIARARENIQKSLAGSSGPGASSGTSGDHGELVVRIASLEVEN QSLRGVVQELQQAISKLEARLNVLKSSPGHRATAPQTQHVSPMRQVEPPAKKPAT PAEDDEDDEDLFGSDNEEEDKEAAQLREERLRQYAEKKAKKALVAKSSILLDVKP WDETDMAQLEACVRSIQLDGLVWGASKLVPVGYGIRKLQIQCVVEDDKVGTDLLE EITKFEHVQSVDIAAFNKI
Sequence Similarities	Belongs to the EF-1-beta/EF-1-delta family.

GENE INFORMATION

Gene Name	EEF1D eukaryotic translation elongation factor 1 delta (guanine nucleotide exchange protein) [Homo sapiens]
Official Symbol	EEF1D
Synonyms	EEF1D; eukaryotic translation elongation factor 1 delta (guanine nucleotide exchange protein); elongation factor 1-delta; EF 1D; FLJ20897;
Gene ID	1936
mRNA Refseq	NM_001130053
Protein Refseq	NP_001123525

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MIM	130592
Uniprot ID	P29692
Chromosome Location	8q24
Pathway	Eukaryotic Translation Elongation, organism-specific biosystem; Gene Expression, organism-specific biosystem; Herpes simplex infection, organism-specific biosystem; Herpes simplex infection, conserved biosystem; Metabolism of proteins, organism-specific biosystem;
Function	protein binding; signal transducer activity; translation elongation factor activity; translation factor activity, nucleic acid binding;

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