

Recombinant Human Eukaryotic Translation Elongation Factor 1 Delta (Guanine Nucleotide Exchange Protein), His-tagged

Cat. No. EEF1D-4998H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant human EEF1D protein, fused to His-tag at N-terminus, was expressed in <i>E. coli</i> and purified by using conventional chromatography techniques.
Species	Human
Source	Human
Description	Eukaryotic translation elongation factor 1 delta, also known as EEF1D, is a subunit of the elongation factor-1 complex, which is responsible for the enzymatic delivery of aminoacyl tRNAs to the ribosome. This subunit functions as guanine nucleotide exchange factor. It is reported that this subunit interacts with HIV-1 Tat, and thus it represses the translation of host-cell, but not HIV-1, mRNAs. Overexpression of EEF1D is associated with oesophageal carcinoma and may adversely affect the outcome of medulloblastomas.
Concentration	0.5 mg/ml
Form	Supplied as a liquid in 20mM Tris-HCl buffer, pH 8.0, containing 1mM DTT and 10% glycerol.
Purity	> 90% by SDS - PAGE
Sequence	1-281 amino acids: MGSSHHHHHH SSGLVPRGSH MATNFLAHEK IWFDKFKYDD AERRFYEQMN GPVAGASRQE NGASVILRDI ARARENIQKS LAGSSGPGAS

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SGTSGDHGEL VVRIASLEVE NQSLRGVVQE LQQAISKLEA RLNVLEKSSP
 GHRATAPQTQ HVSPMRQVEP PAKKPATPAE DDEDDDDIDLF GSDNEEEDKE
 AAQLREERLR QYAEKKAKKP ALVA

Molecular Mass

33.2 kDa (301aa) confirmed by MALDI-TOF (Molecular weight on SDS-PAGE will appear higher)

Applications

SDS - PAGE

Storage

Store at 4 deg C for short term storage (1/2 weeks). Aliquot and store at -20 deg C or -70 deg C for long term storage. Avoid repeated freeze/thaw cycles.

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); EF1D; EF-1D; FP1047; FLJ20897; elongation factor 1-delta; EF-1-delta; antigen NY-CO-4; OTTHUMP00000228834; OTTHUMP00000228835; OTTHUMP00000228854; OTTHUMP00000228855; OTTHUMP00000228856; OTTHUMP00000228857; OTTHUMP00000231014; OTTHUMP00000231272; OTTHUMP00000231355; OTTHUMP00000231356; OTTHUMP00000231357; OTTHUMP00000231358; OTTHUMP00000231359; OTTHUMP00000231460; guanine nucleotide exchange protein

Gene ID

1936

mRNA Refseq

NM_032378

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Protein Refseq	NP_115754
MIM	130592
UniProt ID	P29692
Chromosome Location	8q24
Pathway	Eukaryotic Translation Elongation; Gene Expression; Metabolism of proteins; Translation; Translation Factors
Function	protein binding; signal transducer activity; translation elongation factor activity; translation factor activity

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