

Product datasheet for **TP325386L**

EEF1D (NM_001130055) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human eukaryotic translation elongation factor 1 delta (guanine nucleotide exchange protein) (EEF1D), transcript variant 5, 1 mg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC225386 representing NM_001130055 Red =Cloning site Green =Tags(s)

MATNFLAHEKIWFDFKFKYDDAERRFYEQMNGPVAGASRQENGASVILRDIARARENIQKSLAGSSGPGAS
SGTSGDHGELVVRIASLEVENQSLRGVQELQQAISKLEARLNVLEKSSPGHRATAPQTQHVSPMRQVEP
PAKKPATPAEDDEDDIDLFGSDNEEDKEAAQLREERLRQYAEKKAKKPAKALVAKSSILLDVKPWDDDET
MAQLEACVRSIQLDGLVWGASKLVPVGYGIRKLQIQCVVEDDKVGTDLLEEEITKFEHVSVDIAAFNK
I

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag:	C-Myc/DDK
Predicted MW:	30.9 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Preparation:	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	NP_001123527
Locus ID:	1936



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UniProt ID: [P29692](#)
Cytogenetics: 8q24.3
RefSeq ORF: 843
Synonyms: EF-1D; EF1D; FP1047

Summary: 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.[provided by RefSeq, Aug 2010]

Product images:



Coomassie blue staining of purified EEF1D protein (Cat# [TP325386]). The protein was produced from HEK293T cells transfected with EEF1D cDNA clone (Cat# [RC225386]) using MegaTran 2.0 (Cat# [TT210002]).