

Recombinant Human EEF1D Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. EEF1D-1675H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	EEF1D MS Standard C13 and N15-labeled recombinant protein (NP_001951) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
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.
Molecular Mass	71.4 kDa
AA Sequence	MRSGKASCTLETVWEDKHKYEEAERRFYEHEATQAAASAQQLPAEGPAMNGPGQ DDPEDADEAEAPDGGSRDPRKSQDSRKPLQKKRKRSPKSGLPADLALLGLSAE RVWLDKSLFDQAESSYRQKLADVAAQAAWPPALAPWGLCTHGNQVACHHVTWGI WVNKSSFDQAERAFVEWSQALLLAPEGSSRRQGTPTNGQQVAVPDLAHQPSPPVN GQPPLGSLQALVREVVLEKPRYDAAERGFYEALFDGHPPGKVRLQERAGLAEGAR

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RGRRDRRGRNILGNKRAGLRRADGEAPSALPYCYFLQKDAEAPWLSKPAYDSAEC
 RHHAEEALRVAVWCLEAASLSHRPGPRSGLSVSSLRPNRKMATNFLAHEKIWFDFKF
 YDDAERRFYEQMNGPVAGASRQENGASVILRDIARARENIQKSLAGSSGPGASSGT
 SGDHGELVVRASLEVENQSLRGVVQELQQAISKLEARLNVLKSSPGHRATAPQTQ
 HVSPMRQVEPPAKKPAEDDEDDIDLFGSDNEEEDKEAAQLREERLRQYAEKK
 AKKPALVAKSSILLDVKPWDETDMAQLEACVRSIQDGLVWGASKLVPVGYGIRKL
 QIQCVVEDDKVGTDLLEEEITKFEHVQSVDAAFNKITRTRPLEQKLISEEDLAANDIL
 DYKDDDDKV

Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 3 months from receipt of products under proper storage and handling conditions.
Storage	Store at -80 centigrade. Avoid repeated freeze-thaw cycles.
Concentration	50 µg/mL as determined by BCA
Storage Buffer	100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

Gene Name	EEF1D eukaryotic translation elongation factor 1 delta [Homo sapiens (human)]
Official Symbol	EEF1D
Synonyms	EEF1D; eukaryotic translation elongation factor 1 delta (guanine nucleotide exchange protein); elongation factor 1-delta; EF 1D; FLJ20897; EF-1-delta; antigen NY-CO-4; guanine nucleotide exchange protein; EF1D; EF-1D; FP1047;
Gene ID	1936

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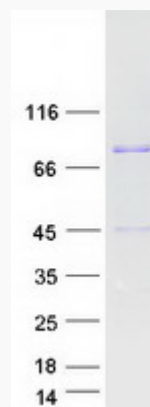
mRNA Refseq NM_001960

Protein Refseq NP_001951

MIM 130592

UniProt ID P29692

SDS-PAGE



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