

## Product datasheet for **TP320387**

### eRF1 (ETF1) (NM\_004730) Human Recombinant Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human eukaryotic translation termination factor 1 (ETF1), 20 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC220387 representing NM_004730 <b>Red</b> =Cloning site <b>Green</b> =Tags(s)
	<p>MADDPSAADRNVEIWKIKKLIKSLAARGNGTSMISLIIPPKDQISRVAKMLADEFGTASNISRVNRLS VLGAITSVQQRLKLYNKVPPNGLVWYCGTIVTEEGKEKKVNIDFEPFKPINTSLYLCDNKFHTEALTALL SDDSKFGFIVIDGSGALFGTLQNTREVLHKFTVDLPKKHGRGGQSALRFARLRMEKRHNHYVRKVAETAV QLFISGDKVNVAGLVLAGSADFKTELSQSDMFDQRLQSKVLKLVDISYGGENGFNQAIELSTEVLNSVKF IQEKKLIGRYFDEISQDTGKYCFGVEDTLKALEMGAVEILIVYENLDIMRYVLHCQGTEEEKILYLTPAQ EKDKSHFTDKETGQEHILIESMPLLEWFANNYKKFGATLEIVTDKSEQSGQFVKGFGGIGGILRYRVDFQ GMEYQGGDDEFFDLDDY</p> <p><b>TRTRPLEQKLISEEDLAANDILDYKDDDDKV</b></p>
Tag:	C-Myc/DDK
Predicted MW:	48.9 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:	<u><a href="#">NP_004721</a></u>

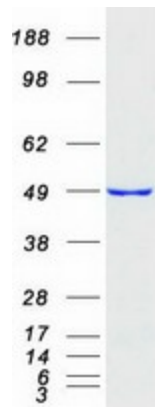


[View online »](#)

Locus ID:	2107
UniProt ID:	<a href="#">P62495</a>
RefSeq Size:	3653
Cytogenetics:	5q31.2
RefSeq ORF:	1311
Synonyms:	D5S1995; ERF; ERF1; RF1; SUP45L1; TB3-1

**Summary:** This gene encodes a class-1 polypeptide chain release factor. The encoded protein plays an essential role in directing termination of mRNA translation from the termination codons UAA, UAG and UGA. This protein is a component of the SURF complex which promotes degradation of prematurely terminated mRNAs via the mechanism of nonsense-mediated mRNA decay (NMD). Alternate splicing results in multiple transcript variants. Pseudogenes of this gene are found on chromosomes 6, 7, and X. [provided by RefSeq, Aug 2013]

### Product images:



Coomassie blue staining of purified ETF1 protein (Cat# TP320387). The protein was produced from HEK293T cells transfected with ETF1 cDNA clone (Cat# [RC220387]) using MegaTran 2.0 (Cat# [TT210002]).