Recombinant Human ETF1 protein, MYC/DDK-tagged

Cat. No. ETF1-5893H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human ETF1 fused with MYC/DDK tag at C-terminal was expressed in HEK293.
Species	Human
Source	HEK293
Description	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.
Form	25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.
Molecular Mass	48.9 kDa
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration	>50 ug/mL as determined by microplate BCA method

GENE INFORMATION

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Gene Name	ETF1 eukaryotic translation termination factor 1 [Homo sapiens]
Official Symbol	ETF1
Synonyms	ETF1; eukaryotic translation termination factor 1; ERF, ERF1, SUP45L1; eukaryotic peptide chain release factor subunit 1; eRF1; polypeptide chain release factor 1; RF1; sup45 (yeast omnipotent suppressor 45) homolog like 1; TB3 1; protein Cl1; eukaryotic release factor 1; sup45 (yeast omnipotent suppressor 45) homolog-like 1; ERF; ERF1; TB3-1; D5S1995; SUP45L1; MGC111066;
Gene ID	2107
mRNA Refseq	NM_004730
Protein Refseq	NP_004721
MIM	600285
UniProt ID	P62495
Chromosome Location	5q31.2
Pathway	Eukaryotic Translation Termination, organism-specific biosystem; Gene Expression, organism-specific biosystem; Metabolism of proteins, organism-specific biosystem; Nonsense Mediated Decay Enhanced by the Exon Junction Complex, organism-specific biosystem; Nonsense Mediated Decay Independent of the Exon Junction Complex, organism-specific biosystem; Nonsense-Mediated Decay, organism-specific biosystem; Translation, organism-specific biosystem;
Function	RNA binding; protein binding; ribosome binding; translation release factor activity;

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	translation release factor activity, codon specific; translation termination factor activity;

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