

Recombinant Human ETF1, GST-tagged

Cat. No. ETF1-12564H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human ETF1 protein, fused to GST-tag, was expressed in E.coli and purified by GSH-sepharose.
Species	Human
Source	E.coli
ProteinLength	1-404a.a.
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 coding and non-coding transcript variants. Pseudogenes of this gene are found on chromosomes 5, 7 and X.
Storage	The protein is stored in PBS buffer at -20°C. Avoid repeated freezing and thawing cycles.
Storage Buffer	1M PBS (58mM Na ₂ HPO ₄ , 17mM NaH ₂ PO ₄ , 68mM NaCl, pH8.) added with 100mM GSH and 1% Triton X-100, 15% glycerol.

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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