

Recombinant Full Length Human ETF1 Protein, GST-tagged

Cat. No. ETF1-4731HF Lot. No. (See product label)

SPECIFICATION

Product Overview	Human ETF1 full-length ORF (NP_004721.1, 1 a.a. - 437 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	437 amino acids
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. [provided by RefSeq, Aug 2013]
Molecular Mass	75.4 kDa
AA Sequence	MADDPSAADRNVEIWKIKKLIKLSLEAARGNGTSMISLIIPPKDQISRVAKMLADEFGTA SNIKSRVNRLSVLGAITSVQQRLKLYNKVPPNGLVVYCGTIVTEEGKEKKVNIDFEPF KPINTSLYLCDNKFHTEALTALLSDDSKFGFIVIDGSGALFGTLQGNTREVLHKFTVDL PKKHGRGGQSALRFARLRMEKRHNYVRKVAETA VQLFISGDKVN VAGLVLGASADF KTELSQSDMFDQRLQSKVLKLVDISYGGENGFNQAIELSTEVLSNVKFIQEKKLIGRY FDEISQDTGKYCFGVEDTLKALEMGA VEILIVYENL DIMRYVLHCQGTEEEKILYLTPE

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QEKDKSHFTDKETGQEHIELIESMPLLEWFANNYKKFGATLEIVTDKSQEGSQFVKGF
GGIGGILRYRVDFQGMHEYQGGDDEFFDLDDY

Applications	Enzyme-linked Immunoabsorbent Assay Western Blot (Recombinant protein) Antibody Production Protein Array
Notes	Best use within three months from the date of receipt of this protein.
Storage	Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

GENE INFORMATION

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

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MIM	600285
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UniProt ID	P62495
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