Recombinant Human ETF1 protein, His & T7-tagged

Cat. No. ETF1-1397H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human ETF1 aa. (Ala2~Val221 (Accession # P62495) fused with N-terminal His & T7 tag was produced in E. coli cells.
Species	Human
Source	E.coli
ProteinLength	Ala2~Val221
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	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 27.7kDa.
Endotoxin	<1.0EU per 1μg (determined by the LAL method)
Purity	>95%

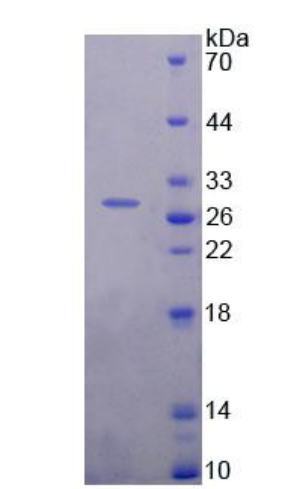
Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA

Characteristic	The isoelectric point is 9.7.
Applications	SDS-PAGE; WB; ELISA; IP.
Stability	The thermal stability is described by the loss rate of the target protein. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37°C for 48h, and no obvious degradation and precipitation were observed. (Referring from China Biological Products Standard, which was calculated by the Arrhenius equation.) The loss of this protein is less than 5% within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8°C for one month. Aliquot and store at -80°C for 12 months.
Storage buffer	Supplied as lyophilized form in 20mM Tris, 150mM NaCl, pH8.0, containing 1mM EDTA, 1mM DTT, 0.01% sarcosyl, 5% trehalose, and preservative.
Reconstitution	Reconstitute in sterile ddH2O.

GENE INFORMATION

Gene Name	ETF1 eukaryotic translation termination factor 1 [Homo sapiens (human)]
Official Symbol	ETF1
Synonyms	ETF1; eukaryotic translation termination factor 1; ERF; RF1; ERF1; TB3-1; D5S1995; SUP45L1; eukaryotic peptide chain release factor subunit 1; polypeptide chain release factor 1; protein Cl1; sup45 (yeast omnipotent suppressor 45) homolog-like 1
Gene ID	2107

Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA

mRNA Refseq	NM_001256302.1
Protein Refseq	NP_001243231.1
UniProt ID	P62495
SDS-PAGE	 15% SDS-PAGE

Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA