

Recombinant Human ETF1 293 Cell Lysate

Cat. No. ETF1-6533HCL Lot. No. (See product label)

SPECIFICATION

Species	Human
Source	HEK293
Description	Antigen standard for eukaryotic translation termination factor 1 (ETF1) is a lysate prepared from HEK293T cells transiently transfected with a TrueORF gene-carrying pCMV plasmid and then lysed in RIPA Buffer. Protein concentration was determined using a colorimetric assay. The antigen control carries a C-terminal Myc/DDK tag for detection.
Components	This product includes 3 vials: 1 vial of gene-specific cell lysate, 1 vial of control vector cell lysate, and 1 vial of loading buffer. Each lysate vial contains 0.1 mg lysate in 0.1 ml (1 mg/ml) of RIPA Buffer (50 mM Tris-HCl pH7.5, 250 mM NaCl, 5 mM EDTA, 50 mM NaF, 1% NP40). The loading buffer vial contains 0.5 ml 2X SDS Loading Buffer (125 mM Tris-Cl, pH6.8, 10% glycerol, 4% SDS, 0.002% Bromophenol blue, 5% beta-mercaptoethanol).
Size	0.1 mg
Storage Instruction	Store at -80°C. Minimize freeze-thaw cycles. After addition of 2X SDS Loading Buffer, the lysates can be stored at -20°C. Product is guaranteed 6 months from the date of shipment.
Applications	ELISA, WB, IP. WB: Mix equal volume of lysates with 2X SDS Loading Buffer. Boil the mixture for 10 min before loading (for membrane protein lysates, incubate the

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mixture at room temperature for 30 min). Load 5 ug lysate per lane.

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 C11; 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](#)

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

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