Recombinant Human ELAC1 293 Cell Lysate

Cat. No. ELAC1-6639HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	
Species	Human
Source	HEK293
Description	Antigen standard for elaC homolog 1 (E. coli) (ELAC1) 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.

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

GENE INFORMATION

Gene Name	ELAC1 elaC homolog 1 (E. coli) [Homo sapiens]
Official Symbol	ELAC1
Synonyms	ELAC1; elaC homolog 1 (E. coli); elaC (E. coli) homolog 1; zinc phosphodiesterase ELAC protein 1; D29; tRNA Z (short form); RNase Z 1; tRNase ZS; tRNase Z 1; deleted in Ma29; ribonuclease Z 1; tRNA 3 endonuclease 1; elaC homolog protein 1; tRNA 3 processing endoribonuclease; FLJ59261;
Gene ID	55520
mRNA Refseq	NM_018696
Protein Refseq	NP_061166
MIM	608079
UniProt ID	Q9H777
Chromosome Location	18q21
Pathway	RNA transport, organism-specific biosystem; RNA transport, conserved biosystem;
Function	endonuclease activity; endoribonuclease activity, producing 5-phosphomonoesters;

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	hydrolase activity; metal ion binding;

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