Recombinant Human CELA3A 293 Cell Lysate

Cat. No. CELA3A-7592HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	
Species	Human
Source	HEK293
Description	Antigen standard for chymotrypsin-like elastase family, member 3A (CELA3A) 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	CELA3A chymotrypsin-like elastase family, member 3A [Homo sapiens]
Official Symbol	CELA3A
Synonyms	CELA3A; chymotrypsin-like elastase family, member 3A; ELA3A, elastase 3A, pancreatic , elastase 3A, pancreatic (protease E); chymotrypsin-like elastase family member 3A; ELA3; protease E; elastase 1; elastase-3A; elastase IIIA; elastase 3A, pancreatic; ELA3A;
Gene ID	10136
mRNA Refseq	NM_005747
Protein Refseq	NP_005738
UniProt ID	P09093
Chromosome Location	1p36.12
Pathway	Pancreatic secretion, organism-specific biosystem; Pancreatic secretion, conserved biosystem; Protein digestion and absorption, organism-specific biosystem; Protein digestion and absorption, conserved biosystem;
Function	peptidase activity; serine-type endopeptidase activity;

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