Recombinant Human ENPP1 293 Cell Lysate

Cat. No. ENPP1-6595HCL **Lot. No.** (See product label)

SPECIFICATION

Species	Human
Source	HEK293
Description	Antigen standard for ectonucleotide pyrophosphatase/phosphodiesterase 1 (ENPP1) i s a lysate prepared from HEK293T cells transiently transfected with a TrueORF gene-carrying pCMV plasmid and then lysed in RIPA Buffer. Protein concentration was det ermined 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	ENPP1 ectonucleotide pyrophosphatase/phosphodiesterase 1 [Homo sapiens]
Official Symbol	ENPP1
Synonyms	ENPP1; ectonucleotide pyrophosphatase/phosphodiesterase 1; M6S1, NPPS, PDNP1; ectonucleotide pyrophosphatase/phosphodiesterase family member 1; PC 1; PCA1; E-NPP 1; Ly-41 antigen; alkaline phosphodiesterase 1; plasma-cell membrane glycoprotein 1; plasma-cell membrane glycoprotein PC-1; membrane component chromosome 6 surface marker 1; phosphodiesterase I/nucleotide pyrophosphatase 1; membrane component, chromosome 6, surface marker 1; M6S1; NPP1; NPPS; PC-1; ARHR2; PDNP1;
Gene ID	5167
mRNA Refseq	NM_006208
Protein Refseq	NP_006199
MIM	173335
UniProt ID	P22413
Chromosome Location	6q22-q23
Pathway	Endochondral Ossification, organism-specific biosystem; Insulin Signaling, organism-specific biosystem; Metabolic pathways, organism-specific biosystem; Metabolism,

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	organism-specific biosystem; Metabolism of vitamins and cofactors, organism-specific biosystem; Metabolism of water-soluble vitamins and cofactors, organism-specific biosystem; Nicotinate and nicotinamide metabolism, organism-specific biosystem;
Function	3-phosphoadenosine 5-phosphosulfate binding; ATP binding; NADH pyrophosphatase activity; hydrolase activity; insulin receptor binding; metal ion binding; nucleic acid binding; nucleoside-triphosphate diphosphatase activity; nucleotide diphosphatase activity; nucleotide diphosphatase activity; phosphodiesterase I activity; polysaccharide binding; protein binding; protein homodimerization activity; scavenger receptor activity;

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