

Recombinant Human LNPEP 293 Cell Lysate

Cat. No. LNPEP-4705HCL **Lot. No.** (See product label)

SPECIFICATION

Species	Human
Source	HEK293
Description	Antigen standard for leucyl/cystinyl aminopeptidase (LNPEP), transcript variant 1 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	LNPEP leucyl/cystinyl aminopeptidase [Homo sapiens]
Official Symbol	LNPEP
Synonyms	LNPEP; leucyl/cystinyl aminopeptidase; leucyl-cystinyl aminopeptidase; CAP; cystinyl aminopeptidase; P LAP; placental leucine aminopeptidase; PLAP; otase; oxytocinase; vasopressinase; AT (4) receptor; angiotensin IV receptor; insulin-regulated aminopeptidase; insulin-responsive aminopeptidase; insulin-regulated membrane aminopeptidase; IRAP; P-LAP;
Gene ID	4012
mRNA Refseq	NM_005575
Protein Refseq	NP_005566
MIM	151300
UniProt ID	Q9UIQ6
Chromosome Location	5q15
Pathway	Adaptive Immune System, organism-specific biosystem; Antigen processing-Cross presentation, organism-specific biosystem; Antigen processing: Ubiquitination and Proteasome degradation, organism-specific biosystem; Class I MHC mediated antigen processing & presentation, organism-specific biosystem;

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Endosomal/Vacuolar pathway, organism-specific biosystem;

Function

aminopeptidase activity; aminopeptidase activity; metal ion binding; metallopeptidase activity; peptidase activity; zinc ion binding;

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