

Recombinant Human LNPEP 293 Cell Lysate

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

SPECIFICATION

Product Overview

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.

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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

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

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Proteasome degradation, organism-specific biosystem; Class I MHC mediated antigen processing & presentation, organism-specific biosystem; 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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