Recombinant Mouse Lnpep Protein, Myc/DDK-tagged

Cat. No. Lnpep-3805M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Purified recombinant protein of mouse full-length leucyl/cystinyl aminopeptidase (cDNA clone MGC:76435 IMAGE:30054751), complete cds, with C-terminal MYC/DDK tag, expressed in HEK293T cells.
Species	Mouse
Source	HEK293
Description	Release of an N-terminal amino acid, cleave before cysteine, leucine as well as other amino acids. Degrades peptide hormones such as oxytocin, vasopressin and angiotensin III, and plays a role in maintaining homeostasis during pregnancy. May be involved in the inactivation of neuronal peptides in the brain. Cleaves Met-enkephalin and dynorphin. Binds angiotensin IV and may be the angiotensin IV receptor in the brain.
Molecular Mass	101.4 kDa
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade after receiving vials.
Concentration	>50 μg/mL as determined by microplate BCA method

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Storage Buffer	25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.

GENE INFORMATION

Gene Name	Lnpep leucyl/cystinyl aminopeptidase [Mus musculus (house mouse)]
Official Symbol	Lnpep
Synonyms	Lnpep; leucyl/cystinyl aminopeptidase; CAP; vp1; IRAP; PLAP; gp16; gp160; vp165; 2010309L07Rik; 4732490P18Rik; leucyl-cystinyl aminopeptidase; OTase; cystinyl aminopeptidase; oxytocinase; EC 3.4.11.3
Gene ID	240028
mRNA Refseq	NM_172827
Protein Refseq	NP_766415
UniProt ID	Q8C129

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