



LNPEP blocking peptide (CDBP5688)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Antigen Description	This gene encodes a zinc-dependent aminopeptidase that cleaves vasopressin, oxytocin, lys-bradykinin, met-enkephalin, dynorphin A and other peptide hormones. The protein can be secreted in maternal serum, reside in intracellular vesicles with the insulin-responsive glucose transporter GLUT4, or form a type II integral membrane glycoprotein. The protein catalyzes the final step in the conversion of angiotensinogen to angiotensin IV (AT4) and is also a receptor for AT4. Alternative splicing results in multiple transcript variants encoding different isoforms. [provided by RefSeq, Jul 2008]
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Conjugate	Unconjugated
Applications	Used as a blocking peptide in immunoblotting applications.
Format	Liquid
Concentration	200 µg/mL
Size	0.05 mg
Preservative	None
Storage	-20°C

GENE INFORMATION

Gene Name	LNPEP leucyl/cystinyl aminopeptidase [Homo sapiens (human)]
Official Symbol	LNPEP
Synonyms	LNPEP; leucyl/cystinyl aminopeptidase; CAP; IRAP; PLAP; P-LAP; leucyl-cystinyl aminopeptidase; otase; oxytocinase; vasopressinase; AT (4) receptor; angiotensin IV receptor; cystinyl aminopeptidase; insulin-regulated aminopeptidase; placental leucine aminopeptidase;

insulin-responsive aminopeptidase; insulin-regulated membrane aminopeptidase

Entrez Gene ID	4012
mRNA Refseq	NM_005575
Protein Refseq	NP_005566
UniProt ID	Q9UIQ6
Pathway	Adaptive Immune System; Antigen processing-Cross presentation; Antigen processing: Ubiquitination and Proteasome degradation; Class I MHC mediated antigen processing and presentation; Endosomal/Vacuolar pathway; Immune System; Insulin-mediated glucose transport; Membrane Trafficking
Function	aminopeptidase activity; aminopeptidase activity; metallopeptidase activity; zinc ion binding