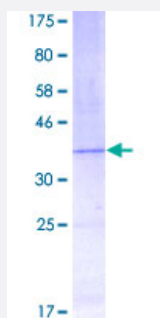


LNPEP (Human) Recombinant Protein (Q01)

Catalog # H00004012-Q01

Size 25 ug, 10 ug

Applications



Specification

Product Description	Human LNPEP partial ORF (NP_005566, 926 a.a. - 1025 a.a.) recombinant protein with GST-tag at N-terminal.
Sequence	FIIRTVGRHFPGHLLAWDFVKENWNKLVQKFPLGSYTIQNIVAGSTYLFSTKTHLSEVQAFFENQSE ATFRLRCVQEALEVIQLNIQWMEKNLKSLTWWL
Host	Wheat Germ (in vitro)
Theoretical MW (kDa)	36.74
Interspecies Antigen Sequence	Mouse (88)
Preparation Method	in vitro wheat germ expression system
Purification	Glutathione Sepharose 4 Fast Flow
Quality Control Testing	12.5% SDS-PAGE Stained with Coomassie Blue.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
Storage Instruction	Store at -80°C. Aliquot to avoid repeated freezing and thawing.
Note	Best use within three months from the date of receipt of this protein.

Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)
- Antibody Production
- Protein Array

Gene Info — LNPEP

Entrez GeneID [4012](#)

GeneBank Accession# [NM_005575](#)

Protein Accession# [NP_005566](#)

Gene Name LNPEP

Gene Alias CAP, IRAP, P-LAP, PLAP

Gene Description leucyl/cystinyl aminopeptidase

Omim ID [151300](#)

Gene Ontology [Hyperlink](#)

Gene Summary This gene encodes a zinc-dependent aminopeptidase that cleaves vasopressin, oxytocin, lys-bra dykinin, 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 GL UT4, or form a type II integral membrane glycoprotein. The protein catalyzes the final step in the c onversion of angiotensinogen to angiotensin IV (AT4) and is also a receptor for AT4. Alternative s plicing results in multiple transcript variants encoding different isoforms. [provided by RefSeq

Other Designations AT (4) receptor|OTTHUMP00000196800|angiotensin IV receptor|insulin-regulated aminopeptidas e|insulin-responsive aminopeptidase|otase|oxytocinase|placental leucine aminopeptidase|vasopr essinase

Pathway

- [Renin-angiotensin system](#)

Disease

- [Hypertension](#)
- [Pre-Eclampsia](#)
- [Pregnancy Complications](#)