

## Product datasheet for RN200189

### Lnpep (NM\_001113403) Rat Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Lnpep (NM\_001113403) Rat Untagged Clone  
**Tag:** Tag Free  
**Symbol:** Lnpep  
**Synonyms:** GP160; IRAP; OTase; P-LAP; Vp165  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Cell Selection:** Neomycin  
**Fully Sequenced ORF:** >RN200189 representing NM\_001113403  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**GCGATCGCC**

ATGGAGACCTTTACCAATGATCGACTTCAGCTTCCAAGGAATATGATTGAAAACAGCATGTTTGAAGAAG  
 AACAGATGTGGTAGATTTAGCCAAAGAACCTTGTTTACATCCTCTGGAACCTGATGAAGTTGAATATGA  
 GCCCCGAGGTTGAGGCTTCTGGTGAGAGTCTTGGTGAGCATGAGATGGATGAGGATGAAGAGGATTAT  
 GAGTCATCTGCCAAGCTGCTGGGCATGTCTTCATGAACAGAAGCTCAGGCCTTCGGAACAGTGCAACAG  
 GCTACAGGCAGAGTCCAGATGGGACTTGTTTCAGTACCCTCTGCCAGGACCTTAGTAATCTGTGTTTTGT  
 CATTGTGGTTGCTGTCTGTGAATCATGGTGATTTATCTACTGCCTAGATGTACCTTTACCAAAGAAGGC  
 TGCCACAAAACAAACCAGTCAGCAGAATCATTAGCCGATTGCTACAAACGGGAAAGTGTTCATGGG  
 CACAAATTAGGCTTCCCACTGCCATTATTCCTCAACGCTATGAACCTAGCCTACATCCAAACCTAACCTC  
 AATGACATTCAGGGGTTCTGTGACAATTCACCTCAGGCTCTTCAAGATACACGGGACATCATTCTCCAT  
 AGCACAGGACATAATATTTCAAGTGTGACATTTATGTCGGCGGTTCCAGTCAAGAAAAACAAGTTGAAA  
 TTCTGGAATATCCATATCATGAACAAATCGCCGTTGTTGCCCTGAAAGCCTTCTAACAGGACACAATTA  
 TACCTTGAAGATAGAATATTCAGCAAATATATCTAACTTACTATGGGTTTTATGGCATCACCTACACA  
 GATAAAAGTAATGAGAAAAAGAACTTTGCAGCAACTCAGTTTGAACCTTTGGCAGCAAGATCTGCTTTTC  
 CTTGTTTTGATGAACCAGCATTTAAGGCCACATTTATCATCAAGATCACAAAGGGATGAGCACCATACTGC  
 ATTATCAAATATGCCTAAGAAGTCATCAGTCCCTACAGAAGAAGGACTTATTCAAGATGAGTTTTCTGAA  
 AGTGTGAAAATGAGCACATACCTGGTTGCTTTTCATTGTAGGGGAGATGAGGAACCTGAGTCAGGATGTAA  
 ACGGGACTCTGGTTTCTGTATATGCTGTACCAGAAAAAATTGATCAAGTTTACCATGCCTTGACACAAC  
 TGTAAGCTCCTTGAGTTTTATCAAATTACTTTGAAATTCATACCCACTAAAGAAATTGGATCTGGTG  
 GCCATTCTGACTTTGAAGCAGGAGCAATGAAAAATTGGGCCTGCTTACGTTCCGAGAAGAGACTTTC  
 TGTATGACAATGCCACTTCTCAGTAGCAGATAGAAAATGGTCACTAAAATCATCGCTCAGGAGCTGGC  
 ACATCAGTGGTTTGGTAATCTGGTTACAATGCAGTGGTGAATGACCTGTGGCTAAACGAAGGCTTTGCC  
 ACTTTCATGGAGTATTTCTGTGGAAAAAATATTCAAAGAGCTCAACAGTTATGAAGACTTCTTAGATG



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CTCGATTTAAAACCATGAGGAAAGATTCCTTGAATTCGTCTCATCCAATATCATCATCTGTTCAAGTCATC  
 AGAACAAATAGAAGAAATGTTTGATTCTTTTCGATATTTAAGGGAGCGTCTCTCTTGTGATGTTGAAA  
 AGTTACCTTAGTGAAGACGTGTTTCAGCATGCCATCATTCTTTACCTGCACAATCACAGCTATGCAGCAA  
 TTCAAAGCGATGACCTCTGGGACAGCTTCAATGAGGTCACAGGCAAAACTCTAGATGTAAGAAAATGAT  
 GAAAACCTGGACCCTACAGAAAGGATCCCATTAGTGACCGTCCAGAGAAAGGGGACTGAGCTTCTTCTA  
 CAACAAGAAAGATTTTTTCCAAGCATGCAACCAGAAATTCAGGATTCAGATAACAAGCCACCTTTGGCATA  
 TTCCAATATCCTATGTCACCTGATGGAAGAAACTATTCAGAATATCGATCAGTTTCACTACTGGACAAGAA  
 ATCAGATGTCATCAATCTTACAGAACAAGTACAATGGGTCAAAGTCAATACAAACATGACGGGCTACTAC  
 ATTGTTCACTATGCTCATGATGGCTGGGACGCTAATCAACCAGTTAAAAAGAAATCCCTATGTTCTGA  
 GTGACAAAGACCGAGCCAACCTGATCAATAACATCTTTGAACTTGACGGCCTTGGCAAAGTGCCTCTTCA  
 GATGGCATTGATTTGATTGACTACCTTAGAAATGAGACCCACACTGCACCTATCACTGAAGCCCTGTTT  
 CAGACTGACCTCATCTAATCTCCTGGAAAACTGGGACACATGGACCTGTCTCAAGATTAGTGACCA  
 GAGTACATAAATTGCTCCAGAACCAATCCAGCAGCAGACATGGACAGATGAAGGCACACCATCCATGCC  
 AGAGCTTCGGTCAGCCTTGCTGGAATTTGCTGCGCCACAGCCTAGAGAACTGTACCCTATGGCCACA  
 AAGCTGTTTGATGTTGGATGGCATCAAATGGAACCTCAGAGCCTGCCACTGACGTCATGACCACTGTGT  
 TCAAAGTTGGAGCAAGAACCAGAAAGGCTGGTTGTTCTCTTTAGCATGTACTCTCCATGGGCTCTGA  
 AGCAGAGAAGGATAAAATACTTGAAGCCCTGGCCAGCTCAGCGGATGCACATAAACTTTACTGGTTAATG  
 AAAAGTAGCCTTGATGGTGATATCATTGCGACACAGAAGTTGTCATTATCATTAGAACAGTGGGCAGAC  
 AGTTTCTGGACATTTGCTGGCATGGGATTTTGTAAAGGAAAAGTGAATAAGCTTGACATAAGTTCCA  
 TCTGGGCTCCTATACCATTCAAAGCATTGTTGCTGGATCTACTCACTATTTTCAACGAAGACACATTTA  
 TCTGAGGTCCAGGAATCTTCGAAAATCAGTCAGAGGCAACCTTGACGCTTCGGTGTGTTTCAGGAGGCCT  
 TCGAAGTGATTGAGCTGAATATCCAGTGGATGGCCAGGAATCTGAAAACCTCTGACACTGTGGCTGTAG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:**

Sgfl-Mlul

**ACCN:**

NM\_001113403

**Insert Size:**

3078 bp

**OTI Disclaimer:**

Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at [custsupport@origene.com](mailto:custsupport@origene.com) or by calling 301.340.3188 option 3 for pricing and delivery.

The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

**Components:**

The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

**Reconstitution Method:**

1. Centrifuge at 5,000xg for 5min.
2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
3. Close the tube and incubate for 10 minutes at room temperature.
4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.
5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.

**RefSeq:** [NM\\_001113403.1](#), [NP\\_001106874.1](#)

**RefSeq Size:** 3191 bp

**RefSeq ORF:** 3078 bp

**Locus ID:** 171105

**UniProt ID:** [P97629](#)

**Cytogenetics:** 1q12

**Gene Summary:** a zinc-dependent aminopeptidase that interacts with acyl-coenzyme A (CoA) dehydrogenases and plays a role in retention of GLUT4-containing vesicles to an intracellular compartment [RGD, Feb 2006]

Transcript Variant: This variant (1) encodes the longer isoform (1).