

Product datasheet for **RN200188**

Lnpep (NM_133574) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Lnpep (NM_133574) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Lnpep
Synonyms:	IRAP; P-LAP; Vp165
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >RN200188 representing NM_133574
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGAGACCTTTACCAATGATCGACTTCAGCTTCCAAGGAATATGATTGAAAACAGCATGTTTGAAGAAG
 AACAGATGTGGTAGATTTAGCCAAAGAACCTTGTTTACATCCTCTGGAACCTGATGAAGTTGAATATGA
 GCCCCGAGGTTCCGAGGCTTCTGGTGAGAGGTCTTGGTGAGCATGAGATGGATGAGGATGAAGAGGATTAT
 GAGTCATCTGCCAAGCTGCTGGGCATGCTCTCATGAACAGAAGCTCAGGCCCTCGGAACAGTGCAACAG
 GCTACAGGCAGAGTCCAGATGGGACTTGTTTCAGTACCCTCTGCCAGGACCTTAGTAATCTGTGTTTTGT
 CATTGTGGTTGCTGTCTGTGAATCATGGTGATTTATCTACTGCCTAGATGTACCTTTACCAAAGAAGGC
 TGCCACAAAACAAACCAGTCAGCAGAACTATTACGCCGATTGCTACAAACGGGAAAGTGTTCATGGG
 CACAAATTAGGCTTCCCCTGCCATTATCCTCAACGCTATGAACCTAGCCTACATCCAAACCTAACCTC
 AATGACATTCAGGGGTTCTGTGACAATTCACCTCAGGCTCTTCAAGATACACGGGACATCATTCTCCAT
 AGCACAGGACATAATATTTCAAGTGTGACATTTATGTCGGCGGTTTCCAGTCAAGAAAAACAAGTTGAAA
 TTCTGGAATATCCATATCATGAACAAATCGCCGTTGTTGCCCTGAAAGCCTTCTAACAGGACACAATTA
 TACCTTGAAGATAGAATATTCAGCAAAATATCTAACTCTTACTATGGGTTTTATGGCATCACCTACACA
 GATAAAAGTAATGAGAAAAAGAACTTTGCAGCAACTCAGTTTGAACCTTTGGCAGCAAGATCTGCTTTTC
 CTTGTTTTGATGAACCAGCATTTAAGGCCACATTTATCATCAAGATCACAAAGGATGAGCACCATACTGC
 ATTATCAAATATGCCTAAGAAGTCATCAGTCCCTACAGAAGAAGGACTTATTCAAGATGAGTTTTCTGAA
 AGTGTGAAAAATGAGCACATACCTGGTTGCTTTCATTGTAGGGGAGATGAGGAACCTGAGTCAGGATGTA
 ACGGGACTCTGGTTTCTGTATATGCTGTACCAGAAAAAATGATCAAGTTTACCATGCCTGGACACAAC
 TGTAAAGCTCCTTGAGTTTTATCAAATACTTTGAAATTCATACCCACTAAAGAAATGGATCTGGTG
 GCCATTCTGACTTTGAAGCAGGAGCAATGAAAAATTGGGGCCTGCTTACGTTCCGAGAAGAGACTCTTC
 TGTATGACAATGCCACTTCTTCAGTAGCAGATAGAAAATGGTCACTAAAATCATCGCTCACGAGCTGGC
 ACATCAGTGGTTTGGTAATCTGGTTACAATGCAGTGGTGAATGACCTGTGGCTAAACGAAGGCTTTGCC
 ACTTTCATGGAGTATTTCTGTGGAAAAAATTTCAAAGAGCTCAACAGTTATGAAGACTTCTTAGATG
 CTCGATTTAAACCATGAGGAAAGATTCCTTGAATTCGTCTCATCCAATATCATCATCTGTTTCAGTCATC
 AGAACAAATAGAAGAAATGTTTGATTCTTTTCGTATTTAAGGGAGCGTCTCTCTTGTGATGTTGAAA
 AGTTACCTTAGTGAAGACGTGTTTCAGCATGCCATCATTCTTTACCTGCACAATCACAGCTATGCAGCAA
 TTCAAAGCGATGACCTCTGGGACAGCTTCAATGAGGTCACAGGCAAAACTCTAGATGTAAGAAAAATGAT
 GAAAACCTGGACCTACAGAAAGGATCCCATAGTGACCGTCCAGAGAAAGGGGACTGAGCTTCTTCTA
 CAACAAGAAAGATTTTTTCCAAGCATGCAACCAGAAATTCAGGATTCAGATACAAGCCACCTTTGGCATA
 TTCCAATATCCTATGTCACTGATGGAAGAACTATTGAGAATATCGATCAGTTTCACTACTGGACAAGAA
 ATCAGATGTCATCAATCTTACAGAACAAGTACAATGGGTCAAAGTCAATACAAACATGACGGGCTACTAC
 ATGTTCACTATGCTCATGATGGCTGGGCAGCTTAATCAACCAGTTAAAAAGAAATCCCTATGTTCTGA
 GTGACAAAAGCCGAGCCAACCTGATCAATAACATCTTTGAACTTGACGGCCTTGCCAAAGTGCCTCTTCA
 GATGGCATTGATTTGATTGACTACCTTAGAAAATGAGACCCACACTGCACCTATCACTGAAGCCCTGTTT
 CAGACTGACCTCATCTATAATCTCCTGGAAAAACTGGGACACATGGACCTGTCTCAAGATTAGTGACCA
 GAGTACATAAAATTGCTCCAGAACCAAATCCAGCAGCAGACATGGACAGATGAAGGCACACCATCCATGCG
 AGAGCTTCGGTACGCTTGTGGAATTTGCCTGCGCCACAGCCTAGAGAAGTGTACCACTATGGCCACA
 AAGCTGTTTGTGTTGGATGGCATCAAATGGAACCTCAGAGCCTGCCGACTGACGTATGACCACTGTGT
 TCAAAGTTGGAGCAAGAACCAGAAAGGCTGGTTGTTCTCTTTAGCATGTACTCTCCATGGGCTCTGA
 AGCAGAGAAGGATAAAATACTTGAAGCCCTGGCCAGCTCAGCGGATGCACATAAACTTTACTGGTATGGA
 ACCACTCAAAGAGCATGGTAG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN:	NM_133574
Insert Size:	2751 bp
OTI Disclaimer:	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
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:	<ol style="list-style-type: none">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:	<u>NM_133574.1</u> , <u>NP_598258.1</u>
RefSeq Size:	3137 bp
RefSeq ORF:	2751 bp
Locus ID:	171105
UniProt ID:	<u>P97629</u>
Cytogenetics:	1q12
Gene Summary:	<p>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]</p> <p>Transcript Variant: This variant (2) lacks three 3' exons and has an alternate 3' end, as compared to variant 1. The resulting isoform (2) has a shorter and distinct C-terminus, as compared to isoform 1.</p>