

Product datasheet for **MC218637**

Lnpep (BC066791) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Lnpep (BC066791) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Lnpep
Synonyms:	IRAP, gp160, vp165, CAP, PLAP
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



[View online »](#)

Fully Sequenced ORF: >BC066791
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGATCGAAAACAGCATGTTTGAAGAAGAGCCAGATGTGGTAGATTTAGCCAAGAACCTTGTTTACATC
 CTCTGGAACCCGATGAAGTGGAATATGAGCCCGAGGTTTCGAGGCTTCTGGTGCGAGGTCTTGGTGAGCA
 TGAGATGGACGAGGATGAAGAGGATTATGAGTCCTCTGCGAAGCTGCTGGGCATGTCCTTCATGAACAGA
 AGCTCAGGCCTGCGGAACAGTGCAGCAGGCTACAGGCAGAGTCCAGATGGGACTTGTTTCATTACCCTCTG
 CCAGGACCTTAGTGATCTGTGTTTTGTCATTGTGGTTGCGGTCTCTGTAATCATGGTGATTTATCTACT
 GCCTAGATGTACCTTTACCAAAGAAGGCTGCCACAAAACAACCAGTCAGCAGAACTCATCCAGCCAGTT
 GCTACAAACGGGAAAGTGTCCCATGGGCTCAAATTAGGCTTCCACTGCCATTATTCCTCTATGCTATG
 AACTTAGCTACATCCAAACCTAACCTCAATGACATTCAGGGGATCTGTGACAATTCACCTCAGGCTCT
 TCAAGACACACGGGATATCATTCTCCATAGCACAGGACATAATATTTCAAGAGTGACATTTATGTCAGCA
 GTTTCAGTCAAGAAAAACAAGTTGAAATTCGGAATATCCATATCATGAACAAATCGCCGTTGTTGCC
 CGGAACCTCTTCTAACAGGACACAATTATACCCTGAAGATAGAGTATTCAGCAAATATATCTAACTCTTA
 TTATGGGTTTTATGGCATCACCTACACAGATAAAAGTAATGAGAAAAAGTACTTTGCAGCAACTCAGTTT
 GAACCTCTGGCAGCAAGATCTGCTTTTCCTTGTGTTGATGAACCAGCATTTAAGGCCACATTTATCATCA
 AGATCACAAAGGAATGAGCACCATACTGCCTTATCAAATATGCCTAAGAAGTCATCGGTCCCTGCAGAAGA
 AGGACTTATCAAGATGAGTTTTCTGAAAGTGAAAAAGCAGACATACCTGGTTGCTTTCATTGTAGGG
 GAGATGAGGAACCTGAGTCAGGATGTAATGGAAGTCTGGTTTCTGTGTATGCTGTACCAGAAAAAATTG
 GTCAGTTCCACCATGCCTTGGACACAATAAAGCTTCTTGAGTTTTATCAAACCTACTTTGAAATTC
 GTACCCACTTAAGAAATTGGATTTGGTGGCCATTCTGACTTTGAAGCAGGAGCAATGAAAACTGGGGC
 CTGCTTACATTCCGAGAAGAGACTCTTCTGTATGACAATGCAACTTCTCAGTAGCAGACAGAAAACTGG
 TCACTAAAATCATTGCTCACGAAGTGGCACATCAGTGGTTTGGAAATCTGGTTACAATGCAGTGGTGAA
 TGACCTGTGGCTAAATGAAGGCTTTGCCACTTTCATGGAGTATTTCTCTGTGAAAAAATATTCAAAGAG
 CTCAACAGTTATGAAGACTTCTTAGATGCTCGATTTAAAACCATGAGGAAAGATTCTTGAATTCGTCCTC
 ATCCAATATCATCTGTTTCAGTCTTCGGAACAAATAGAAGAAATGTTTGATTCTCTCTCTATTTTAA
 GGGAGCTTCTCTTGTGATGCTGAAAAGTTACCTTAGTGAAGATGATTTTCGGCATGCTGTCATTCTT
 TACCTGCACAATCACAGCTATGCAGCTATCCAAGTGATGATCTCTGGGACAGCTTCAATGAGGTCACAG
 ACAAACCTCTAGATGTAAGAAAAATGATGAAAACCTAG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCTGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: Sgfl-Mlul

ACCN: BC066791

Insert Size: 1788 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:

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: [BC066791](#), [AAH66791](#)

RefSeq Size: 2767 bp

RefSeq ORF: 1787 bp

Locus ID: 240028

Cytogenetics: 17 A3.2

Gene Summary: 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 (By similarity).[UniProtKB/Swiss-Prot Function]