

Product datasheet for MC223254

Lnpep (NM_172827) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Lnpep (NM_172827) Mouse Untagged Clone
Tag: Tag Free
Symbol: Lnpep
Synonyms: 2010309L07Rik; 4732490P18Rik; CAP; gp160; IRAP; PLAP; vp165
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >MC223254 representing NM_172827
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGGAGTCCTTTACCAATGATCGGCTTCAGCTTCCAAGGAATATGATCGAAAACAGCATGTTTGAAGAAG
AGCCAGATGTGGTAGATTTAGCCAAAGAACCTTGTTTACATCCTCTGGAACCCGATGAAGTGAATATGA
GCCCCGAGGTTGAGGCTTCTGGTGCGAGGTCTTGGTGAGCATGAGATGGACGAGGATGAAGAGGATTAT
GAGTCCTCTGCGAAGCTGCTGGGATGTCTTCAATGAACAGAAGCTCAGGCCTGCCGAACAGTGCAGCAG
GCTACAGGCAGAGTCCAGATGGGACTTGTTTATTACCCTCTGCCAGGACCTTAGTGATCTGTGTTTTTGT
CATTGTGGTTGCGGTCTCTGTAATCATGGTGATTTATCTACTGCCTAGATGTACCTTTACCAAAGAAGGC
TGCCACAAAACAAACCAGTCAGCAGAATCATCCAGCCAGTTGCTACAAACGGGAAAGTGTCCCATGGG
CTCAAATTAGGCTTCCCACTGCCATTATTCCTCTATGCTATGAACCTAGCCTACATCCAAACCTAACCTC
AATGACATTCAGGGGATCTGTGACAATTCACCTCAGGCTCTTCAAGACACACGGGATATCATTCTCCAT
AGCACAGGACATAATATTTCAAGAGTGACATTTATGTGAGCAGTTTCAAGTCAAGAAAAACAAGTTGAAA
TTCTGGAATATCCATATCATGAACAAATCGCCGTTGTTGCCCGGAACCTTTCTAACAGGACACAATTA
TACCCTGAAGATAGAGTATTCAGCAAATATATCTAACTCTTATTATGGGTTTTATGGCATCACCTACACA
GATAAAAGTAATGAGAAAAAGTACTTTGACGAACTCAGTTTGAACCTCTGGCAGCAAGATCTGCTTTTC
CTGTTTTGATGAACCAGCATTTAAGGCCACATTTATCATCAAGATCACAAAGGAATGAGCACCATACTGC
GTTATCAAATATGCCTAAGAAGTCATCGGTCCCTGCAGAAGAAGGACTTATTCAAGATGAGTTTTCTGAA
AGTGTGAAAATGAGCACATACCTGGTTGCTTTCATTGTAGGGGAGATGAGGAACCTGAGTCAGGATGTAA
ATGGAACCTCTGGTTTCTGTGTATGCTGTACCAGAAAAAATGGTCAAGTTCACCATGCCTTGACACAAC
TATAAAGCTTCTGAGTTTTATCAAACCTACTTTGAAATTCAGTACCCACTTAAGAAATTTGATTGGTG
GCCATTCTGACTTTGAAGCAGGAGCAATGAAAACTGGGCCTGCTTACATTCCGAGAAGAGACTTTC
TGTATGACAATGCAACTTCTCAGTAGCAGACAGAAAACTGGTCACTAAAATCATTGCTCAGCAACTGGC
ACATCAGTGGTTTGGAAATCTGGTTACAATGCAGTGGTGAATGACCTGTGGCTAAATGAAGGCTTTGCC
ACTTTCATGGAGTATTTCTGTGGAAAAAATATTCAAAGAGCTCAACAGTTATGAAGACTTCTTAGATG



CTCGATTTAAAACCATGAGGAAAGATTCCTTGAATTCGTCTCATCCAATATCATCATCTGTTCAAGTCTTC
 GGAACAAATAGAAGAAATGTTTGATTCTCTCTCTATTTTAAGGGAGCTTCTCTTGTGATGCTGAAA
 AGTTACCTTAGTGAAGATGTATTTCCGCATGCTGTCTTACCTGCACAATCACAGCTATGCAGCTA
 TCCAAAGTGATGATCTCTGGGACAGCTTCAATGAGGTCACAGACAAAACCTCTAGATGTAAGAAAATGAT
 GAAAACCTGGACCCTACAGAAAGGATCCCGTTAGTGACAGTCCAGAGGAAGGGGACTGAGCTTCTTCTA
 CAACAGGAAAGATTTTTCTACGCATGCAACCAGAAAGTCAGCCTTCAGATAACAAGCCACCTTTGGCATA
 TTCCAATATCCTATGTCCTGATGGAAGAAACTATTCAGAATATCGATCAGTTTCACTACTGGACAAGAA
 ATCAGATGTCATCAATCTTACAGAACAAGTGAGTGGTCAAAGTCAATTCAAACATGACTGGCTATTAC
 ATTGTTCACTATGCTCATGATGACTGGACAGCTAATCAATCAGTTAAAAAGAAAACCTTATGTTCTGA
 GTGACAAAGACCGAGCCAACCTGATCAATAACATCTTTGAACTTGACAGTCTTGGCAAAGTGCCTCTTCG
 GATGGCATTGATTTGATTGACTATCTTAAAAATGAGACCCACACTGCACCGATCACTGAAGCCCTGTTT
 CAGACAAACCTTATCTATAATCTCTAGAAAACTGGGGCACATGGACCTGTCTCAAGATTGGTGGCCA
 GAGTACATAAATTGCTCCAGAACCAAATCCAGCAGCAGACTTGGACAGATGAAGGCACACCATCCATGCC
 AGAGCTTCGGTCAGCCTTGCTGGAATTTGCCTGTGCCACAGCCTAGAGAACTGTACCACTATGGCCACA
 AATCTGTTTGACAGTTGGATGGCATCAAATGGAACCTCAGAGCCTGCCTACTGATGTCATGGTCACTGTG
 TCAAGGTGGGAGCGAGAACCAGAAAGGCTGGTTGTTCTCTTTAGCATGTATTCCTCCATGGGCTCTGA
 AGCAGAAAAGAATAAAATTTCTTGAAGCTCTTGCCAGCTCAGAGGATGTACATAAACTTTACTGGTTAATG
 AAAAGTAGCCTTGATGGTGACATCATCCGAACACAGAAGTTGTCATTATCATTAGAACAGTGGGCAGAC
 ATTTTCTGGACACTTGCTGGCTGGGATTTTGTAAAGAAAACCTGGAATAAGCTTGACATAAGTTCCA
 TCTGGGCTCCTATACCATACAAAGTATTGTTGCTGGATCTACTCACTATTTTCAACAAAGACACATTTA
 TCTGAGGTCCAGGCATCTTTGAAAATCAGTCAGAGGCAACCTTGAAGCTTCGGTGTGTTCCAGGAGGCTT
 TGAAGTGATTCAGCTGAATATCCAGTGGATGGTCAGGAATCTGAAAACGCTCTCCAGTGGCTGTAG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** SgfI-MluI
- ACCN:** NM_172827
- Insert Size:** 3078 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:** [NM_172827.3](#), [NP_766415.1](#)
- RefSeq Size:** 5181 bp
- RefSeq ORF:** 3078 bp

Locus ID: 240028

UniProt ID: [Q8C129](#)

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]