

Product datasheet for RN213515

Lepr (NM_012596) Rat Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Lepr (NM_012596) Rat Untagged Clone
Tag: Tag Free
Symbol: Lepr
Synonyms: Fa
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Fully Sequenced ORF: >RN213515 representing NM_012596
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGACGTGTCAGAAATCTATGTGGTTTTGTACTGGGAATTTCTGTATGTGATAACTGCACTTAACC
TGGCCTATCCAACCTCTCCCTGGAGATTTAAGCTGTTTTGTGCGCCACCGAGTACAACCTGATGACTCCTT
TCTCTCTCTGCTGGAGTCCAAACAATACTTCGTCTTTGAAGGGGGCTTCTGAAGCACTTGTGAAGCT
AAATTTAATCAACTGGTATCTACGTTTCTGAGTTATCCAAAACCATTTCCACTGTTGCTTTGGGAATG
AGCAAGGTCAAACTGCTCCGCACTCACAGGCAACACTGAAGGGAAGACGCTGGCTTCAGTGGTGAAGCC
TTTAGTTTTCCGCCAACTAGGTGTAACACTGGGACATAGAGTGCTGGATGAAAGGGGACTTGACATTATTC
ATCTGTATATGGAACCTACTTAAGAACCCTTCAAGAATTATGACTCTAAGGTTACACCTTTTATATG
ATCTGCCTGAAGTTATAGATGATTTGCCTCTGCCCCACTGAAAGACAGCTTTCAGACTGTCCAGTGCAA
CTGCAGTGTTCGGGAATGCGAATGTCAATGTACCAGTACCCAGAGCCAAAGTCAACTACGCTCTTCTGATG
TATTTAGAAATCACATCTGCTGGTGTGAGTTTTAGTACCTCTAATGTCACTGCAGCCCATGCTTGTG
TGAAGCCCGATCCACCGTGGGTTTGCATGGAAGTACAGATGATGGAATTTAAAGATTTATGGA
CAGCCAAACAAAAGCACCATTCCACTTCAATATCAGGTGAAATATTTAGAGAATTTACAATCGTAAGA
GAGGCTGCTGAAATCGTCTCGGATACATCTGCTGGTAGACAGGCTGCTTCTGGTCTTCATACGAGG
TCCAGGTGAGGCAAGAGACTGGATGGCTCAGGAGTCTGGAGTACTGGAGTTTACCTCAACTTTTAC
CACACAAGATGTATGATTTTTCCACCCAAAATTTGACGAGTGTGGATCCAATGCTTCTTTTGTCTGC
ATCTACAAAAATGAGAACCAGACTATCTCTCAAAAATAAGTTTGGTGGATGAATCTAGCCGAGAAGA
TCCCCGAGACACAGTACAACACTGTGAGTGACCACATTAGCAAAGTCACTTTCTCCAACCTGAAAGCCAC
CAGACCTCGAGGGAAGTTTACCTATGATGCAGTGTACTGCTGCAATGAGCAGGCATGCCATACCCGCTAC
GCTGAATTTATGTGATCGATGCAATATCAATATATCATGTGAAACTGACGGTACTTAACTAAAATGA
CTTGCAGATGGTACCCAGCACAATCCAATCACTAGTGGGAAGCACTGTGCAGTTGAGGTATCACAGGCC
CAGCCTGACTGTCCCGATAATCCATCTATTCTGCTCTACATCAGAGCTCAAAAACGCTTCTACAGACA



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GATGGCTTTTATGAATGTGTTTTCCAGCCAATCTTTCTATTATCTGGCTATACAATGTGGATCAGGATCA
 ACCATTCTTTAGGTTCACTTGACTCTCCACCAACGTGTGTCTTCCTGACTCCGTAGTAAAACCACTACC
 TCCATCTAATGTAAAAGCAGAGATTACTATAAACACTGGATTATTGAAAGTATCTTGGGAAAAGCCAGTC
 TTTCCAGAGAATAACCTTCAGTTCAGATTCGATATGGCTTAAATGGAAGAAAATACAATGGAAGACAC
 ACGAGGTATTCGATGCAAAATCAAAATCGGCCAGCCTGCCAGTGTGAGATCTCTGTGCGGTCTATGTGGT
 ACAGGTTTCGTCGCCGGCGTGGATGGACTAGGGTATTGGAGTAATTGGAGCAGTCCAGCCTACACTCTT
 GTCATGGATGAAAAGTTCCTATGAGAGGGCCTGAATTCGGAGAATAATGGATGGGGATATTACTAAAA
 AGGAGAGAAAATGTCACCTTGCTTTGGAAGCCACTGATGAAAAATGACTCACTGTGTAGTGTGAGGAGGTA
 TGTGGTGAAGCATCGTACTGCCACAATGGGACATGGTCACAAGATGTGGGAAATCAGACCAATCTCACT
 TTCCTGTGGGCAGAATCAGCACACTGTTACAGTTCGGCCATCAATCCATCGGTGCCTCCCTTGGA
 ATTTAACCTTACGTTTCATGGCCATGAGTAAAGTGAATGCTGTGCAGTCACTCAGTGCTTATCCCT
 GAGCAGCAGTGCCTCATCCTTCTGGACTGTACCTAATGATTATAGTCTGTTATATCTGTTATT
 GAATGGAAGAACCTTAATGATGATGGAATGAAGTGGCTTAGAATCCCTTCGAATGTTAAACAAGTATT
 ATATCCATGATAATTTTCTATCGAGAAATATCAGTTTGTCTTTACCCAGTATTTATGGAAGGAGT
 TGGAAAACCAAGATAATTAATGGTTTCACCAAGATGATATCGCCAAACAGCAAAATGATCGAGGGCTG
 TATGTCATTGTACCGATAATTATTTCTCTGTGTCTGCTCGGAACACTGTTAATTTACACCAGA
 GAATGAAAAGTTGTTTTGGGACGATGTTCCAAACCCCAAGAATTGTTCTGGGCACAAGGACTTAATTT
 CCAAAAGCCTGAAACATTTGAGCATCTTTTACCAAGCATGCAGAATCAGTGATATTTGGTCTCTTCTT
 CTGGAGCCTGAACCAGTTTCAGAAGAAATCAGTGTGATACAGCTTGGAAAAATAAAGATGAGATGGTAC
 CAGCAGCTATGGTCTCACTTCTTTGACCCTCCAGATTCACAAGGGGTTCTATTTGTATCAGTGACCA
 GTGTAACAGTGCTAACTTCTCTGGGGCTCAGAGCACCCAGGGAACCTGTGAGGATGAGTGTGAGTCAA
 CCCTCAGTTAAATATGCAACGCTGGTCAGCAACGTGAAAACAGTGGAACTGATGAAGAGCAAGGGGCTA
 TACATAGTTCTGTGAGCAGTGCATCGCCAGGAAACATTCCTGAGCAGTCTTTTCTAGCAACT
 CTGGGAGATAGAGGCCAGGCATTTTCTTTTATCAGATCATCCACCAATGTGATTTCCACCAACTT
 TCATTCTCAGGGTGGATGAGCTTTTGGAACTGGAGGAAATTTCTGAAAGAAAATCACGGGAAAAAT
 CTGTGATTATCTAGGAGTCTCTCAGGAAACAAAAGAGAGAATGATATGCTTTTACTGATGAGGCAGG
 GGTATTGTGCCATTCCAGCTCACTGTCTGTTCACTGACATCAGAATCTCCAGGAGAGTTGTTACAC
 TTTGTAGAAAATAATTTGAATTTAGGGACCTCTGGTAAGAATTTGTACCTTACATGCCCGAGTTTCAAT
 CCTGTTCCACTCACATGATAAGATAATAGAAAATAAGATGTGTGACTTAACTGTGTA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Chromatograms: https://cdn.origene.com/chromatograms/ja2142_f10.zip

Restriction Sites: SgfI-MluI

ACCN: NM_012596

Insert Size: 3489 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_012596.1](#), [NP_036728.1](#)

RefSeq Size: 3650 bp

RefSeq ORF: 3489 bp

Locus ID: 24536

UniProt ID: [Q62959](#)

Cytogenetics: 5q33

Gene Summary: receptor for leptin; may have a role in body weight maintenance [RGD, Feb 2006]