

Product datasheet for **MC200140**

Leprot (NM_175036) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Leprot (NM_175036) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Leprot
Synonyms:	LEPR; OB-RGRP; Obrgrp; VPS55
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

Fully Sequenced ORF: >BC004744 sequence for NM_175036
 CCCACGCGTCCGGCAGCGACAGCCCCAGCTCCAGAGACATGGCGGGCGTTAAAGCTCTCGTGGCGCTCTC
 CTTCACTGGGGCAATTGGGCTGACTTTTCTTATGCTGGGATGTGCGTTGGAGGACTATGGCGTTTACTGG
 CCCCTGTTCTGCTTGTATTTTCTACGTCATCTCCCCATCCCCTACTTCATTGCCAAAAGGGTCACATATG
 ACTCCGACGCGACCAGCAGTGCCTGTGCGGAACGGCGTATTTCTTCCACTGGGATTGTTGTTTCTGC
 CTTTGGACTTCTGTTGTTCTTGTCTGCTGATGATCAAGTGGGGAGCCTGTGGTCTTGTGCTGGCC
 GGCAACGCTGTCAATTTCTCACAATCAAGGCTTCTTCCCTCGTCTTTGGAAGAGGAGATGATTTTCAGTT
 GGGAACAGTGGTAGCCCCCTCCTCCCATGGAAAGCATTGAGTCTTAGAATTTGTACTGTACGTATATGTG
 TGCACATGTGTTTCAATTTGAATATGCTGAGTTTTTTTTATACCTTTATATCATGATCATCTTAGGGAAG
 ATGTTGTAACAAAAGATGAGTTTTACTCTGGCACACAGGTCCTCCATTGACTCAAAGTGAATATTT
 TTATCTTCTAGCTTCCAGAAAGCCTGTTACTATGGCCTTGTAGACAGCTGCTCACTTATCCAGGGGGTCT
 AAACCTTTTGCCTTGGGTTAGGCTTGGGAGACTGGGGCAGATCTCTACAGCCCAAACATAGGTGGCG
 CTCTCCCTGTACACTTAGACTCATCTCACACAGAGCATCAGCATCTGCTAGGAGCCCATTGGGGAT
 GCAGGGTCAGACTGGGTAACCTTTGATGCGATTGCACACTTGGCGCACGCACATTGACGGGTGAGGAGTT
 TGTTGTAGAGGAATAAGCATCATAGCTCCCTGCCCTCTCTGGGTGTTGCATGCTCATTTGCAGGAAAAA
 AAAAAAATCACCTGCCCTGTGTGAATGAGTTCAGACTTCAGGTGTTTCTAACATGTTCAACTATTG
 TGTGTTCTCAATTTGGGGGACCTGTTCTTAGGCAGGAACAGATAAGTCATCCAAAAGGCAGTGGCTG
 ATTGCTCAGAATAAGATACAAAATAACCAAAAAACCCCTCTGGGGTGCAAGGAGGGAAAATTGGCTGGAA
 TGGTCCCTACTTTAAGTGGAGGGCAGGATAGACAATTCTTGGAAATGTCCCTCTACGGTGCCTCCATCC
 CCCATGCAGCATTTGGTTTGTCTTGGTGGTGGTCTCCTGAAGGGTATGAGGCAAGAGTGAAGCAGAGGG
 GAGGGAGTCACTGAAGTTACACGCTGGTGCATTTTTCATCCTTGATATTGAACTTGATGTCACCTCCACA
 GGACACACAGGGATCCACATCATTTTGGTCTTATAAACAGTTTTTCTAGCTCATTTTTTATCTGGAG
 CCTACTGGGAGAAGGAAGTGAGAACTACAAGCACCCAGTCAGGATGCCATCAGCGGTGTTTAAAGCATTGA
 TGCTGCTCGCTAATGAGTGTCCAGAGCACTCTCCCTTGAGGCTTGCAGTCCAAGGAGTCAAGCATCCAGGC
 CAGGGCTGGTGTGACGCTGGGACCAGCAGTGAATGGACAGAGGACAGTGTGAATGTTATATTTTGGCC
 TTGTGCATGACATTATGTTTTGAATATTTTGTGTACAAATAGAATTGTTAGCGTTGCTATTCTAGTATT
 TACATTAGAAAAATTATTTAGATACTTGATCATTTAACTGGCATTTTTAATCATGACACTTGCTATTGTA
 ATAAATTTGACTTTTAACTGAAAAAAAAAAAAAAAAA

Restriction Sites: RsrII-NotI

ACCN: NM_175036

Insert Size: 396 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: [BC004744](#), [AAH04744](#)

RefSeq Size: 1859 bp

RefSeq ORF: 396 bp

Locus ID: 230514

UniProt ID: [O89013](#)

Cytogenetics: 4 C6

Gene Summary: Negatively regulates leptin receptor (LEPR) cell surface expression, and thus decreases response to leptin. Negatively regulates growth hormone (GH) receptor cell surface expression in liver. May play a role in liver resistance to GH during periods of reduced nutrient availability.[UniProtKB/Swiss-Prot Function]