

Product datasheet for RR213515

Lepr (NM_012596) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Lepr (NM_012596) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Lepr
Synonyms:	Fa
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RR213515 representing NM_012596 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGACGTGTCAGAAATCTATGTGGTTTTGTACTGGGAATTTCTGTATGTGATAACTGCACTTAACC
TGGCCTATCCAACCTCTCCCTGGAGATTTAAGCTGTTTTGTGCGCCACCGAGTACAACCTGATGACTCCTT
TCTCTCTCTGCTGGAGTCCAAACAATACTTCGTCTTTGAAGGGGGCTTCTGAAGCACTTGTGAAGCT
AAATTTAATCAACTGGTATCTACGTTTCTGAGTTATCCAAAACCATTTCCACTGTTGCTTTGGGAATG
AGCAAGGTCAAACTGCTCCGCACTCACAGGCAACACTGAAGGGAAGACGCTGGTTCAGTGGTGAAGCC
TTTAGTTTTCCGCCAACTAGGTGTAACACTGGGACATAGAGTGCTGGATGAAAGGGGACTTGACATTATTC
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ATCTGCCTGAAGTTATAGATGATTTGCCTCTGCCCCACTGAAAGACAGCTTTCAGACTGTCCAGTGCAA
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TGAAGCCCGATCCACCGTGGGTTTGCATGGAAGTACAGATGATGGAATTTAAAGATTTTATGGGA
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GAGGCTGCTGAAATCGTCTCGGATACATCTCTGCTGGTAGACAGCGTCTTCTGGGCTTTCATACGAGG
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CTTGCAGATGGTCAACCAGCAATCCAATCACTAGTGGGAAGCACTGTGCAGTTGAGGTATCACAGGCC
CAGCCTGACTGTCCCGATAATCCATCTATTCTGCTCTACATCAGAGCTCAAAAACGCGTCTTACAGACA



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GATGGCTTTTATGAATGTGTTTTCCAGCCAATCTTTCTATTATCTGGCTATACAATGTGGATCAGGATCA
ACCATTCTTTAGGTTCACTTGACTCTCCACCAACGTGTGTCTTCCTGACTCCGTAGTAAAACTACTACC
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ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RR213515 representing NM_012596
 Red=Cloning site Green=Tags(s)

MTCQKFYVLLHWEFLYVITALNLAYPTSPWRFKLCAPPSTTDDSFSPAGVPNNTSSLKGASEALVEA
 KFNSTGIYVSELSKTIFHCCFGNEQGQNCALSALTGNTGKTLASVVKPLVFRQLGVNWDIECWMKGDTLF
 ICHMEPLLNKPNFKNYDSKVHLLYDLPEVIDDLPLPLKDSFQTVQCNCVRECECHVPPRAKVNYALLM
 YLEITSAGVSFQSPMLSLQPLVVKPDPPLGLRMEVTDGSLKISWDSQTKAPFPLQYQVKYLENSTIVR
 EAAEIVSDTSLLVDSVLPSSSYEVQVRSKRLDGSVWSDWSPQLFTTQDVMYFPPKILTSVGSNASFCC
 IYKNENQTISSKQIVWWMNLAEKIPETQYNTVSDHISKVTFSNLKATRPRGKFTYDAVYCCNEQACHRY
 AELYVIDVNIINISCETDGYLTKMTCRWSPSTIQSLVGSTVQLRYHRRSLYCPDNPSIRPTSELKNCVLTQ
 DGFYECVFQPIFLLSGYTMWIRINHSLGSLDSPPTCVLPDSVVKPLPPSNVKAIEITINTGLLKVSWEKPV
 FPENNLQFQIRYGLNGKEIQWKTHEVFDKSKSASLPVSDLCVAVVVQVRCRRLDGLGYWSNWSSPAYTL
 VMDVKVPMRGPWFWRIMDGDITKKERNVTLLWKPLMKNDLCSVRRYVVKHRTAHNGTWSQDVGNTLNT
 FLWAESAHTVTVLAINSIGASLVNFNLTFSWPMSKVNVAQSL SAYPLSSSCVILSWTLPNDYSLLYLVI
 EWKNLNDDDGMKWLRIIPSNVNYIHDNFIPIEKYQFSLYPVFMGVGPKIINGFTKDDIAKQQNDAGL
 YVIVPIIISSCVLLLGTLLISHQRMKCLFWDDVNPKNCSWAQGLNFQKPFTEHLFTKHAESVIFGPLL
 LEPEPVSEESVDTAWKNKDEMVAAMVSLLLTTPDSTRGSICISDQCNSANFSGAQSTQGTCEDECQSQ
 PSVKYATLVSNVKTVETDEEQGAIHSSVSQCIARKHSPLRQSFSSNSWEIEAQAFFLLSDHPPNVISPOL
 SFSGLDELLELEGNFPEENHGEKSVYYLVGSSGNKRENDMLLTDEAGVLCPPFAHCLFSDIRILQESCSH
 FVENNLNLGTSKGNFVPYMPQFQSCSTHSHKIIENKMCDLTV

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/ja3744_e04.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:

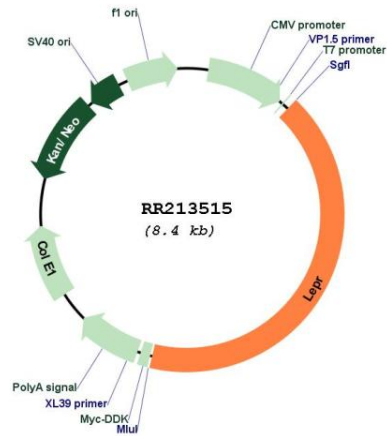


ACCN: NM_012596

ORF Size: 3486 bp

OTI Disclaimer:	The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. More info
OTI Annotation:	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
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:	NM_012596.1 , NP_036728.1
RefSeq Size:	3650 bp
RefSeq ORF:	3489 bp
Locus ID:	24536
UniProt ID:	Q62959
Cytogenetics:	5q33
MW:	130.8 kDa
Gene Summary:	receptor for leptin; may have a role in body weight maintenance [RGD, Feb 2006]

Product images:



Circular map for RR213515