

Product datasheet for **SC127307**

LEPROT (NM_017526) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	LEPROT (NM_017526) Human Untagged Clone
Tag:	Tag Free
Symbol:	LEPROT
Synonyms:	LEPR; OB-RGRP; OBRGRP; VPS55
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL6</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC127307 sequence for NM_017526 edited (data generated by NextGen Sequencing) ATGGCGGGCGTTAAAGCTCTCGTGGCATTATCCTTCAGTGGGCTATTGGACTGACTTTT CTTATGCTGGGATGTGCCTTAGAGGATTATGGCGTTTACTGGCCCTTATTCGTCCTGATT TTCCACGCCATCTCCCCATCCCCATTTTCATTGCCAAAAGAGTCACCTATGACTCAGAT GCAACCAGTAGTGCCTGTCGGGAACTGGCATATTTCTTCACTACTGGAATTGTTGTTTCT GCCTTTGGATTTCTGTTATTCTTGCTCGTGTGGCTGTGATCAAATGGGGAGCCTGCGGC CTTGTGTTGGCAGGCAATGCAGTCATTTTCCTTACAATTCAAGGGTTTTTCCTTATATT GGAAGAGGAGATGATTTTAGCTGGGAGCAGTGGTAG

Clone variation with respect to NM_017526.4



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5' Read Nucleotide Sequence:	>OriGene 5' read for NM_017526 unedited AATATCCCCGCCCGTTGACGCAATGGGCGGTAGGCGTGTACGGTGGGAGGTCTATATAAG CAGAGCTCATTTAGGTGACACTATAGAATACAGGCTACTTGTCTTTTTGCAGCGGCCGC GAATTCGGCACGAGGGCTGCCCGGGCCGTGGCAGGAAGCCGGAAGCAGCCGCGGCCCCAG TTCGGGAGACATGGCGGGCGTTAAAGCTCTCGTGGCATTATCCTTCAGTGGGGCTATTGG ACTGACTTTTCTTATGCTGGGATGTGCCTTAGAGGATTATGGCGTTTACTGGCCCTTATT CGTCCTGAGTTTTCCACGCCATCTCCCCCATCCCCATTTTCATTGCCAAAAGAGTCACCTA TGA CTGAGATGCAACCAGTAGTGCCTGTCGGGAACTGGCATATTTCTTCACTACTGGAAT TGTTGTTTCTGCCTTTGGATTTCTGTTATTCTTGCTCGTGTGGCTGTGATCAAATGGGG AGCCTGCGGCCTTGTGTTGGCAGGCAATGCAGTCATTTTCCTTACAATTCACGGGTTTTT CCTTATATTTGGAAGAGGAGATGATTTTAGCTGGGAGCAGTGGTAGCACTTTATTCTGAG TACAGTGCATTGAATTTCTAGA ACTCATACTATCTGTATACATGTGCACATGCGGCATT TACTATGAAATTAATATGCTGGGTTTTTAATACCTTTATATATCATGTTCACTTTCA GAGAGACTTCATAAGTAGGAGATGAGTTNTATTCTCAGCAGATAGACCTGTCACATTTAG ATTATGTTACTCACAGTATGTTACTTGTGGCTGNTCATGTAGTCACGGTGCTCTCAGA GCAATATCACGCAGTCTTGTAGGCAGCTGCCACATATGCAGTGCATCGAAACTTTTGCTT GGGGATGTGCTTGNAGAGCGCATACGCTGAGC
Restriction Sites:	NotI-NotI
ACCN:	NM_017526
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:	<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:	<u>NM_017526.2</u> , <u>NP_059996.1</u>
RefSeq Size:	1147 bp
RefSeq ORF:	396 bp
Locus ID:	54741
UniProt ID:	<u>O15243</u>
Cytogenetics:	1p31.3
Domains:	Vps55
Protein Families:	Druggable Genome, Transmembrane

Gene Summary:

LEPROT is associated with the Golgi complex and endosomes and has a role in cell surface expression of growth hormone receptor (GHR; MIM 600946) and leptin receptor (OBR, or LEPR; MIM 601007), thereby altering receptor-mediated cell signaling (Couturier et al., 2007 [PubMed 18042720]; Touvier et al., 2009 [PubMed 19907080]).[supplied by OMIM, Jul 2010]

Transcript Variant: This variant (1) is dominant and encodes the shorter isoform (1). Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.