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Product datasheet for RC200535

LEPROTL1 (NM_015344) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	LEPROTL1 (NM_015344) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	LEPROTL1
Synonyms:	HSPC112; my047; Vps55
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

ORF Nucleotide Sequence:

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>RC200535 ORF sequence
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGCAGGCATCAAAGCTTTGATTAGTTTGTCCTTTGGAGGAGCAATCGGACTGATGTTTTTGATGCTTG
GATGTGCCCTTCCAATATACAACAAATACTGGCCCCTCTTTGTTCTATTTTTTTACATCCTTTCACCTAT
TCCATACTGCATAGCAAGAAGATTAGTGGATGATACAGATGCTATGAGTAACGCTTGTAAGGAACTTGCC
ATCTTTCTTACAACGGGCATTGTCGTGTCAGCTTTTGGACTCCCTATTGTATTTGCCAGAGCACATCTGA
TTGAGTGGGGAGCTTGTGCACTTGTTCTCACAGGAAACACAGTCATCTTTGCAACTATACTAGGCTTTTT
CTTGGTCTTTGGAAGCAATGACGACTTCAGCTGGCAGCAGTGG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA
```

Protein Sequence:

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>RC200535 protein sequence
Red=Cloning site Green=Tags(s)

MAGIKALISLSFGGAIGLMFLMLGCALPIYNKYWPLFVLFFYILSPIPYCIARRLVDDTDAMSNACKELA
IFLTTGIVVSAFGLPIVFARAHLIEWGACALVLTGNTVIFATILGFFLVFGSNDDFSWQQW

TRTRPLEQKLISEEDLAANDILDYKDDDDKV
```

Chromatograms:	https://cdn.origene.com/chromatograms/mk6034_d04.zip
Restriction Sites:	SgfI-MluI

View online »

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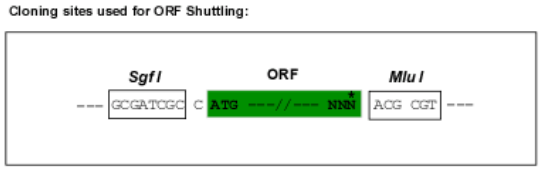
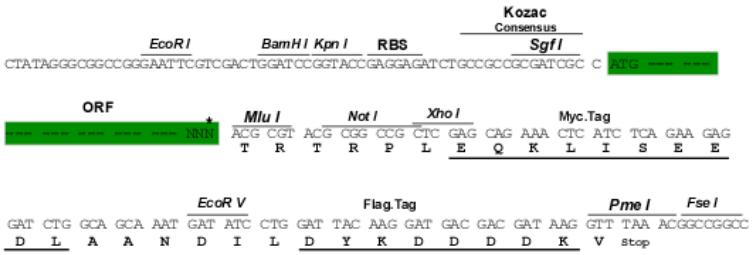
Cloning Scheme:





* The last codon before the Stop codon of the ORF

ACCN:	NM_015344
ORF Size:	393 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:	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_015344.3
RefSeq Size:	2721 bp
RefSeq ORF:	396 bp
Locus ID:	23484
UniProt ID:	O95214

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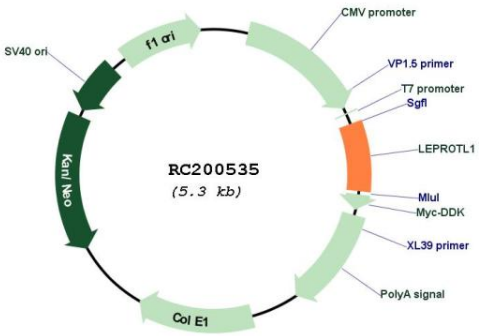
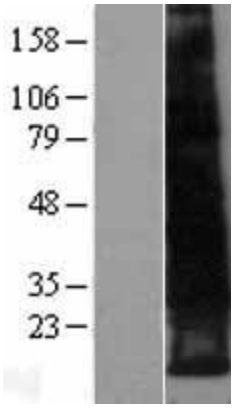
Cytogenetics:	8p12
Domains:	Vps55
Protein Families:	Druggable Genome, Transmembrane
MW:	14.4 kDa
Gene Summary:	Negatively regulates growth hormone (GH) receptor cell surface expression in liver. May play a role in liver resistance to GH during periods of reduced nutrient availability. [UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RC200535



Western blot validation of overexpression lysate (Cat# [LY402424]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from un-transfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC200535 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).

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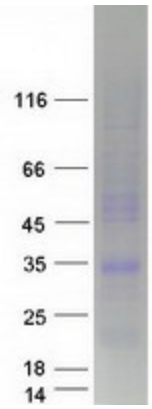

Coomassie blue staining of purified LEPROTL1 protein (Cat# [TP300535]). The protein was produced from HEK293T cells transfected with LEPROTL1 cDNA clone (Cat# RC200535) using MegaTran 2.0 (Cat# [TT210002]).

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