

Product datasheet for **RR206427**

Olr1 (NM_133306) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Olr1 (NM_133306) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Olr1
Synonyms:	LOX-1; Oldlr1; Oldr1
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
ORF Nucleotide Sequence:	>RR206427 representing NM_133306 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGAATTTGGAATGGCTTTTGATGACAAGATGAAGCCTGTGAATGGCCAGCCTGATCAGAAGTCATGTG
GCAAGAAGCCTAAAGGGCTGCATTTGCTTTCTCCACATGGTGGTGGCCCTGCTGCTGTGACTCTGGCCAT
CCTTTGCCTAGTGTATCAGTGACCCTTATTGTACAGCAGACACAGTTACTCCAGGTATCTGACCTCCTA
AAGCAATACCAAGCAAACCTTACTCAGCAGGATCATATCCTGGAGGGGCAGATGTAGCCCAAGAAAG
CAGAAAATGCTTCACAAGAATCAAAGAGGGAAGCTGAAGGAACAGATAGACACCCTCACCTGGAAGCTAAA
CGAGAAAATCCAAAGAGCAGGAGAAGCTTCTGCAGCAGAATCAGAACCTCCAAGAAGCCCTGCAGAGAGCT
GTGAACGCTTCAGAGGAGTCCAAGTGGGAAGCTGAAGGAACAAATAGACATTCTCAACTGGAAGCTGAATG
GGATATCCAAAGAGCAGAAGGAGCTTCTGCAGCAGAATCAGAACCTCCAAGAAGCCCTGCAGAAAGCTGA
GAAATATTCAGAGGAGTCCCAGAGAGAAGCTGAAGGAACAGATAGACACCCTCAGCTGGAAGCTAACCGAG
AAATCCAAAGAGCAGGAGGAGCTTCTGCAGCAGAATCAGAATCTTCAAGAAGCCCTGCAGAGAGCTGCAA
ACTCTTCAGGTCCTTGTCCACAAGACTGGATCTGGCATAAAGAAAAGCTGTTACCTTTCCATGGGCCCTT
TAACTGGGAAAAAAGTCGGGAGAATTGCCTATCTTTAGATGCCAGTACTACAAATTAGTACCACAGAT
GATCTGAACTTCGTCTTACAAGCAACTCCCATCCACCTCCCATTTTGGATGGGATTACATCGGAAAA
ATCCCAACCACCCATGGCTATGGGAGAAGCGCTCTCCTTTGAGTTTTCAATTCTTTAGGACCAGGGGCGT
TTCTTTACAGATGTACTCATCAGGCACCTGTGCATATATTCAAGGAGGAGTTGTGTTTGCTGAAAAGTGC
ATTTTAACTGCATTACAGCATATGTCAGAAGAAGGCAAATTTATTGCTAACTCAG

ACGCGTACGCGGCCGCTCGAGCAGAAAAGCTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RR206427 representing NM_133306
Red=Cloning site Green=Tags(s)

MNLEMAFDDKMKPVNGQPDQKSCGKKPKGLHLLSSTWWCPAAVTLAILCLVLSVTLIVQQTQLLQVSDLL
 KQYQANLTQDDHILEGQMSAQKKAENASQESKRELKEQIDTLTWKLNESKEQEKLQQNQNLQEALQRA
 VNASEESKWLKEQIDILNWKLNGISKEQKELLQQNQNLQEALQKAKEYSEESQRELKEQIDTLWKLNE
 KSKEQEELLQQNQNLQEALQRAANSSGPCPDWIIWHKENCYLFHGFNWEKSRENCLSLDAQLLQISTTD
 DLNFVLQATSHSTSPFWMLHRKNPNHPWLWENGSPLSFQFFRTRGVSLQMYSSGTCAYIQGGVVF AENC
 ILTAFSICQKKANLLLTQ

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

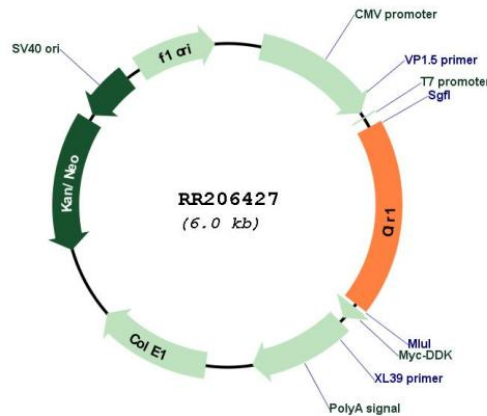
Restriction Sites:

Sgfl-MluI

Cloning Scheme:



Plasmid Map:



ACCN:

NM_133306

ORF Size:	1104 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_133306.2 , NP_579840.2
RefSeq Size:	3751 bp
RefSeq ORF:	1107 bp
Locus ID:	140914
UniProt ID:	O70156
Cytogenetics:	4q42
MW:	42.4 kDa
Gene Summary:	receptor for oxidized low-density lipoprotein that may be involved in pathogenesis of hypertension as well as atherosclerosis [RGD, Feb 2006]