

Product datasheet for MC209900

Ldlrad4 (NM_172631) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Ldlrad4 (NM_172631) Mouse Untagged Clone
Tag: Tag Free
Symbol: Ldlrad4
Synonyms: 8230401C20Rik; A430083H02; A430108L08Rik; C18orf1; D18Erted653e; D330030L18Rik
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >MC209900 representing NM_172631
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGC**C

ATGCCGGAAGCTGGTTTTAGGCCACAAATGCGTTCACAGAGTGCAAATCACCTGCACCAGCGGTAAT
 GCTTGTATCTTGGTTCTCTGGTCTGTAAACCAACAGAACGACTGTGGGACAACAGTGACGAAGAGA
 CCTCCTGGTGACCGAGCACCCACCGCCGGGCATCTCAACTCCGAGCTGGAATTCGCGCAGATCCTTATC
 ATTGTTGTGGTGGTGACGGTGATGGTGGTGGTCTGTCTGCCTACTGAACCACTACAAAGTCTCCACAC
 GCTCCTTCATCAACCGCCCAACAGAGCCAGAGACAGGAGGACGGGCTGCAGCCGGAAGGATCCCTGTG
 GCCTTCTGATAGCTCCGTGCAGCGCCAGGGGCTTCCAGAGATCATGTGTGCCCCACGGGGCAGGGATAGG
 TTTACTACCCCATCTTTCATCCAGAGGGATCCATTGATCGTTCAGCCACCTACCCCTATGTGCAGC
 ACGAGATTGACTGCCTCCACCATCTCCCTGTCAGACGGGAGGAGCCGCTCCTTACCAAGGACCCTG
 CACGCTACAGTCCGGGACCCAGAGCAGCAGATGGAATCAACCGAGAGTCCGTGAGGGCCCCGCCAAT
 CGAACCGTTTTTGACAGTGACTTGATAGACATTTCTATGTACAACGGGGGACCATGCCACCAAGCAGCC
 ACTCGGGCATCAGCGCAGCTACCTGTAGCAGTAACGGAAGAATGGAGGGGCCACCCCGACCTACAGCGA
 GGTGATGGGCCACTACCCAGGCACCTCGTTCTTCCATCACAGCACAGCAACACACAGGGGCAGCAGA
 CCACAGTTTTAGCCGAACAACCTCAGAGGGCACAATAGTACCCATCAAGGGCAAAGACAGGAAGCCGGGG
 ACCTGGTCTGA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_172631
Insert Size: 921 bp



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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:	NM_172631.3 , NP_766219.2
RefSeq Size:	2493 bp
RefSeq ORF:	921 bp
Locus ID:	52662
UniProt ID:	Q8BWJ4
Cytogenetics:	18 40.14 cM
Gene Summary:	Functions as a negative regulator of TGF-beta signaling and thereby probably plays a role in cell proliferation, differentiation, apoptosis, motility, extracellular matrix production and immunosuppression. In the canonical TGF-beta pathway, ZFYVE9/SARA recruits the intracellular signal transducer and transcriptional modulators SMAD2 and SMAD3 to the TGF-beta receptor. Phosphorylated by the receptor, SMAD2 and SMAD3 then form a heteromeric complex with SMAD4 that translocates to the nucleus to regulate transcription. Through interaction with SMAD2 and SMAD3, LDLRAD4 may compete with ZFYVE9 and SMAD4 and prevent propagation of the intracellular signal.[UniProtKB/Swiss-Prot Function]