

## Product datasheet for MC227167

### Ldlrad3 (NM\_001290784) Mouse Untagged Clone

#### Product data:

|                           |                                                                                    |
|---------------------------|------------------------------------------------------------------------------------|
| Product Type:             | Expression Plasmids                                                                |
| Product Name:             | Ldlrad3 (NM_001290784) Mouse Untagged Clone                                        |
| Tag:                      | Tag Free                                                                           |
| Symbol:                   | Ldlrad3                                                                            |
| Synonyms:                 | 6430500P08; AI194318; Lrad3                                                        |
| Mammalian Cell Selection: | Neomycin                                                                           |
| Vector:                   | pCMV6-Entry (PS100001)                                                             |
| E. coli Selection:        | Kanamycin (25 ug/mL)                                                               |
| Fully Sequenced ORF:      | >MC227167 representing NM_001290784<br>Red=Cloning site Blue=ORF Orange=Stop codon |

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGTGGCTGCTGGGGCCGCTGTGCCTGCTGCTGAGCAGCACTGCGGAGAGCCAGCTGCTCCCTGGGAACA  
ACTTCACCAACGAGTGCAACATCCAGGTAACCTCATGTGCAGCAACGGGCGGTGCATCCCGGGCGCCTG  
GCAGTGTGACGGGCTGCCTGACTGCTTCGACAAGAGTGACGAGAAGGAATGCCCCAAAGCAAAATCAAAA  
TGTGGCCCGACCTTCTCCCTGCGCCAGTGGCATCCACTGTATCATCGGCCGCTCCGCTGCAATGGAT  
TTGAGGACTGTCCCGACGGCAGCGACGAGGAGAACTGCACGAACCCCTGCTTTGCTCCACGGCTCGCTA  
CCACTGCAGGAACGGCCTGTGCATCGACAAGAGCTTCATCTGCGATGGTCAGAATAACTGTCAAGACAAC  
AGTGACGAGGAGAGCTGCGAGAGTTCTCTAGAACCAGGCAGCGGGCAGGTGTTTGTGACCTCGGAGAACC  
AGCTTGTGTACTACCCAGCATCACGTACGCCATCATCGGCAGCTCTGTATCTTCGTGCTGGTGGTGGC  
CCTGCTCGCACTGGTCTGCATCATCAGCGAAAGCGAAACAACCTCATGACCCCTCCCTGTGACCCGGCTG  
CAGCATCCTGTGCTGCTCTCGCCTGGTGGTCTGGACCACCTCACCCTGCAACGTACCTACAATG  
TCAATAATGGTGTTCAGTATGTGGCTACCCAGGCTGAACAAAATGCCTCGGAAGTAGGCTCTCCACCCTC  
CTATTCAGAGGCCCTGTGGACCAAGACCTGCATGGTACGACCTTCTCCACCACCTATTATCTGAC  
ACCGAGTCTCTGAACCAAGCTGACCTGCCTCCTTACCGCTCCCGGTCAGGAAGTGCCTACAGTGCCAGCT  
CCAGGCAGCCAGCAGCCTCCTGAGTGTGGAAGCCAGCAGCCACAACCCAGAGCAGCCTGGCTCTCCAGA  
GGGCTCTGCTGAGCCAGAGACTCTGTGCCAGTCAGGGCACCGAAGAAGTAA

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI



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|-------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>ACCN:</b>                  | NM_001290784                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>Insert Size:</b>           | 1035 bp                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>OTI Disclaimer:</b>        | 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).                                                                                                                                                                                                                                                                                                  |
| <b>OTI Annotation:</b>        | Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>Components:</b>            | 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).                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>Reconstitution Method:</b> | <ol style="list-style-type: none"> <li>1. Centrifuge at 5,000xg for 5min.</li> <li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li> <li>3. Close the tube and incubate for 10 minutes at room temperature.</li> <li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li> <li>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.</li> </ol>                                                                                                                         |
| <b>Note:</b>                  | Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>RefSeq:</b>                | <u>NM_001290784.1, NP_001277713.1</u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>RefSeq Size:</b>           | 3907 bp                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>RefSeq ORF:</b>            | 1035 bp                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>Locus ID:</b>              | 241576                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>UniProt ID:</b>            | <u>A2AR95</u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Cytogenetics:</b>          | 2 E2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>Gene Summary:</b>          | <p>May influence APP processing, resulting in a decrease in sAPP-alpha production and increased amyloidogenic P3 peptide production.[UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (2) uses an alternate in-frame splice site in the central coding region, compared to variant 1, resulting in an isoform (b) that is 1 aa shorter than isoform a.</p> <p>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.</p> |