

## Product datasheet for MC225229

### Sorl1 (NM\_011436) Mouse Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Sorl1 (NM_011436) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Sorl1
Synonyms:	2900010L19Rik; AI596264; AW261561; gp250; LR11; mSorLA; SorLA
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
Fully Sequenced ORF:	>MC225229 representing NM_011436 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGCGACACGGAGCAGCAGGAGGGAGTCGAGACTCCCTTTCCTATTTCGCCCTGGTCGGCTGCTACCCC  
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TAGTCGTGGGATAGGAACTGGAGCGATTCTAAGTCCATCACCACCATAAAAGGAAAAGTGATCCAAGCA  
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 GATCCTGCTGAGCCTGGGTGTCGGCTTCGCCATCCTCTACACGAAGCACCCTCGCTTACAAAGCAGCTTC  
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**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** Sgfl-Mlul
- ACCN:** NM\_011436
- Insert Size:** 6648 bp
- 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:**
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\\_011436.3](#), [NP\\_035566.2](#)
- RefSeq Size:** 6938 bp
- RefSeq ORF:** 6648 bp
- Locus ID:** 20660

UniProt ID: [O88307](#)

Cytogenetics: 9 A5.1

**Gene Summary:** Likely to be a multifunctional endocytic receptor, that may be implicated in the uptake of lipoproteins and of proteases. Binds LDL, the major cholesterol-carrying lipoprotein of plasma, and transports it into cells by endocytosis. Binds the receptor-associated protein (RAP). Could play a role in cell-cell interaction. May play a role in neural organization, as well as the establishment of embryonic organ systems. Involved in APP trafficking to and from the Golgi apparatus (By similarity). It probably acts as a sorting receptor that protects APP from trafficking to late endosome and from processing into amyloid beta (By similarity). Involved in the regulation of smooth muscle cells migration, probably through PLAU binding and decreased internalization.[UniProtKB/Swiss-Prot Function]

Transcript Variant: This variant (1) represents the longer transcript and encodes the longer 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.