

Product datasheet for **SC118159**

SorLA (SORL1) (NM_003105) Human Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: SorLA (SORL1) (NM_003105) Human Untagged Clone
Tag: Tag Free
Symbol: SorLA
Synonyms: C11orf32; gp250; LR11; LRP9; SORLA; SorLA-1
Mammalian Cell Selection: None
Vector: [pCMV6-XL5](#)
E. coli Selection: Ampicillin (100 ug/mL)

Fully Sequenced ORF: >OriGene sequence for NM_003105 edited
CAAGGTCTCAACTTTACAGGCTGTCGCCGTGCTCATTTGATCCCCACAAGTTTGTACAA
AAAAGCAGGCACCATGGCGACACGGAGCAGCAGGAGGGAGTCGCGACTCCCGTTCTATT
CACCCTGGTCGCACTGCTGCCGCCGGAGCTCTCTGCGAAGTCTGGACGCAGAGGCTGCA
CGCGGGCAGCGCCCTTGCCCCAGGACCGGGCTTCTCGTGGTGCAGGCGACCCGCG
CGAGCTGCGGCTGTGGCGCGCGGGATGCCAGGGGGGCGAGCCGCGGACGAGAAGCC
GCTCCGGAGGAAACGGAGCGCTGCCCTGCAGCCCGAGCCCATCAAGGTGTACGGACAGGT
TAGTCTGAATGATTCCCACAATCAGATGGTGGTGCCTGGGCTGGAGAGAAAAGCAACGT
GATCGTGGCCTTGCCCGAGATAGCCTGGCATTGGCGAGGCCAAGAGCAGTGATGTGA
CGTGTCTTACGACTATGAAAAATCATTCAAGAAAATTTACAGCAAGTTAACTTTGGCTT
GGGAAATAGGAGTGAAGCTGTTATCGCCAGTTCTACCACAGCCCTGCGGACAACAAGCG
GTACATCTTGCAGACGCTTATGCCAGTACCTCTGGATCACGTTTGACTTCTGCAACAC
TCTTCAAGGCTTTTCCATCCCATTTCCGGCAGCTGATCTCCTCTACACAGTAAGGCCTC
CAACCTTCTCTTGGGCTTTGACAGGTCCCACCCCAACAAGCAGCTGTGGAAGTCAGATGA
CTTTGGCCAGACCTGGATCATGATTGAGAACATGTCAAGTCCTTTTCTTGGGAATTGA
TCCCTATGACAAACAAATACCATCTACATTGAACGACATGAACCCTCTGGCTACTCCAC
TGTCTTCCGAAGTACAGATTTCTCCAGTCCCGGAAAACCAGGAAGTATCCTTGAGGA
AGTGAGAGATTTTCAGCTTCGGGACAAGTACATGTTTGTACAAAGGTGGTGCATCTCTT
GGCAGTGAACAGCAGTCTTCTGTCCAGCTCTGGTCTCCTTTGGCCGGAAGCCATGAG
AGCAGCCAGTTTGTACAAGACATCCTATTAATGAATATTACATCGCAGATGCCTCCGA
GGACCAGGTGTTTGTGTGTGTCAGCCACAGTAACAACCGACCAATTTATACATCTCAGA
GGCAGAGGGGCTGAAGTTCTCCCTGTCCTTGGAGAACGTGCTCTATTACAGCCAGGAGG
GGCCGGCAGTGACACCTTGGTGAGGATTTTGCAAATGAACCATTTGCTGACTTCCACCG
AGTGAAGGATTGCAAGGAGTCTACATTGCTACTCTGATTAATGGTTCTATGAATGAGGA
GAACATGAGATCGGTATCACCTTTGACAAAGGGGAACCTGGGAGTTTCTTCCAGGCTCC
AGCCTTACGGGATATGGAGAGAAAATCAATTGTGAGCTTTCCAGGGCTGTTCCCTTCA
TCTGGCTCAGCGCTCAGTCAGCTCCTCAACCTCCAGCTCCGGAGAATGCCATCCTGTC



[View online »](#)

CAAGGAGTCGGCTCCAGGCCTCATCATCGCCACTGGCTCAGTGGGAAAGAACTTGCTAG
 CAAGACAAACGTGTACATCTCTAGCAGTGTGGAGCCAGGTGGCGAGAGGCCACTTCTGG
 ACCTCACTACTACACATGGGGAGACCACGGCGGAATCATCACGGCCATTGCCAGGGCAT
 GGAAACCAACGAGCTAAAATACAGTACCAATGAAGGGGAGACCTGGAAAACATTCATCTT
 CTCTGAGAAGCCAGTGTTTGTGTATGGCCTCCTCACAGAACCTGGGGAGAAGAGCACTGT
 CTTACCATCTTTGGCTCGAACAAAGAGAATGTCCACAGCTGGCTGATCCTCCAGGTCAA
 TGCCACGGATGCCTTGGGAGTTCCTGCACAGAGAATGACTACAAGCTGTGGTCACCATC
 TGATGAGCGGGGAATGAGTGTGGCTGGGACACAAGACTGTTTTCAAACGGCGGACCCC
 CCATGCCACATGCTTCAATGGAGAGGACTTTGACAGGCCGGTGGTCGTGTCCAACGTCTC
 CTGACCCCGGAGGACTATGAGTGTGACTTCGGTTTCAAGATGAGTGAAGATTTGTCAAT
 AGAGGTTTGTGTCCAGATCCGGAATTTCTGGAAAGTCATACTCCCCTCCTGTGCCTTG
 CCCTGTGGTTCTACTTACAGGAGAACGAGAGGCTACCGGAAGATTTCTGGGGACACTTG
 TAGCGGAGGAGATGTTGAAGCGGACTGGAAGGAGAGCTGGTCCCCTGTCCCCTGCGAGA
 AGAGAACGAGTTCATTCTGTATGCTGTGAGGAAATCCATCTACCGCTATGACCTGGCCTC
 GGGAGCCACCGAGCAGTTGCCTCTACCGGGCTACGGGCAGCAGTGGCCCTGGACTTTGA
 CTATGAGCACAACGTGTTGTATTGGTCCGACCTGGCCTTGGACGTCATCCAGCGCCTCTG
 TTTGAATGGAAGCACAGGGCAAGAGGTGATCATCAATTCTGGCCTGGAGACAGTAGAAGC
 TTTGGCTTTTGAACCCCTCAGCCAGCTGCTTTACTGGGTAGATGCAGGCTTCAAAAAGAT
 TGAGGTAGCTAATCCAGATGGCGACTTCCGACTCAACAATCGTCAATTCCTCTGTGCTTGA
 TCGTCCCAGGGCTCTGGTCTCGTGCCCAAGAGGGGGTATGTTCTGGACAGACTGGGG
 AGACCTGAAGCCTGGGATTTATCGGAGCAATATGGATGGTTCTGTGCCTATCACCTGGT
 GTCTGAGGATGTAAGTGGCCAATGGCATCTCTGTGGACGACCAGTGGATTTACTGGAC
 GGATGCTACCTGGAGTGCATAGAGCGGATCACGTTTCAGTGGCCAGCAGCGCTCTGTCT
 TCTGGACAACCTCCCGCACCCCTATGCCATTGCTGTCTTTAAGAATGAAATCTACTGGGA
 TGACTGGTCACAGCTCAGCATATTCCGAGCTTCAAATACAGTGGGTCCCAGATGGAGAT
 TCTGGCAAACCAGCTCACGGGGCTCATGGACATGAAGATTTTCTACAAGGGGAAGAACAC
 TGGAAAGCAATGCCTGTGTGCCAGGCCATGCAGCCTGCTGTGCCTGCCAAGGCCAACAA
 CAGTAGAAGCTGCAGGTGCCAGAGGATGTGTCCAGCAGTGTGCTTCCATCAGGGGACCT
 GATGTGTGACTGCCCTCAGGGCTATCAGCTCAAGAACAATACCTGTGTCAAAGAAGAGAA
 CACCTGTCTTCGCAACCAGTATCGCTGCAGCAACGGGAAGTGTATCAACAGCATTGGTG
 GTGTGACTTTGACAACGACTGTGGAGACATGAGCGATGAGAGAACTGCCCTACCACCAT
 CTGTGACCTGGACACCCAGTTTCGTTGCCAGGAGTCTGGGACTTGTATCCCACTGTCCTA
 TAAATGTGACCTTGAGGATGACTGTGGAGACAACAGTGTGAAAGTCATTGTGAAATGCA
 CCAGTGGCCGAGTGACGAGTACAACAGTTCGGCATGTGCATCCGCTCCTCCTGGGT
 ATGTGACGGGGACAACGACTGCAGGGACTGGTCTGATGAAGCCAACTGTACCGCCATCTA
 TCACACCTGTGAGGCCTCCAACCTCCAGTGCCGAAACGGGCACTGCATCCCCAGCGGTG
 GGCGTGTGACGGGGATACGGACTGCCAGGATGGTCCGATGAGGATCCAGTCAACTGTGA
 GAAGAAGTGCAATGGATTCCGCTGCCAAACGGCACTTGCATCCATCCAGCAAACATTG
 TGATGGTCTGCGTGATTGCTCTGATGGCTCCGATGAACAGCACTGCGAGCCCTCTGTAC
 GCACTTCATGGACTTTGTGTGAAGAACCAGCAGTGCCTGTTCCACTCCATGGTCTG
 TGACGGAATCATCCAGTCCGCGACGGTCCGATGAGGATGCGGGCTTTGCAGGATGCTC
 CCAAGATCCTGAGTTCACAAGGTATGTGATGAGTTCGGTTTCCAGTGTGAGAATGGAGT
 GTGCATCAGTTTGTATTTGGAAGTGCACGGGATGGATGATTGCGGCGATTATTCTGATGA
 AGCCAACGCAAAACCCACAGAAGCCCCAACTGCTCCCGCTACTTCCAGTTTCGGTG
 TGAGAATGGCCACTGCATCCCCAACAGATGGAATGTGACAGGGAGAACGACTGTGGGA
 CTGGTCTGATGAGAAGGATTGTGGAGATTCACATATTCTTCCCTTCTCGACTCCTGGGCC
 CTCACCGTGTCTGCCAATTAACCTACCGTGCAGCAGTGGGACCTGCGTGTGACACCTG
 GGTGTGCGACGGGTACCGAGATTGTGACAGATGGCTCTGACGAGGAAGCCTGCCCTTGT
 TGCAAACGTCACTGCTGCCCTCCACTCCCACCAACTTGGGCGATGTGACCGATTTGAGTT
 CGAATGCCACCAACCGAAGAGCTGTATTCCAACCTGGAAGCGCTGTGACGGCCACCAAGA
 TTGCCAGGATGGCCGGGACGAGGCCAATTGCCCAACACACAGCACCTTGACTTGCATGAG
 CAGGGAGTTCAGTGCAGGACGGGGAGGCTGCATTGTGCTCTCGGAGCGCTGCGACGG

CTTCCTGGACTGCTCGGACGAGAGCGATGAAAAGGCCTGCAGTGATGAGTTGACTGTGTA
 CAAAGTACAGAATCTTCAGTGGACAGCTGACTTCTCTGGGGATGTGACTTTGACCTGGAT
 GAGGCCAAAAAATGCCCTCTGCTTCTTGTGTATATAATGTCTACTACAGGGTGGTTGG
 AGAGAGCATATGGAAGACTCTGGAGACCCACAGCAATAAGACAAACACTGTATTAAGT
 CTTGAAACCAGATACCACGTATCAGGTTAAAGTACAGGTTCAAGTGTCTCAGCAAGGCACA
 CAACACCAATGACTTTGTGACCTGAGGACCCAGAGGGATTGCCAGATGCCCTCGAAA
 TCTCCAGCTGTCACTCCCAGGGAAGCAGAAGGTGTGATTGTAGGCCACTGGGCTCCTCC
 CATCCACACCCATGGCCCATCCGTGAGTACATTGTAGAATACAGCAGGAGTGGTTCCAA
 GATGTGGGCTCCAGAGGGCTGCTAGTAACTTTACAGAAATCAAGAACTTATTGGTCAA
 CACTCTATACACCGTCAGAGTGGCTGCGGTGACTAGTCGTGGAATAGGAACTGGAGCGA
 TTCTAAATCCATTACCACCATAAAAGGAAAAGTGATCCCACCACCAGATATCCACATTGA
 CAGCTATGGTGAAAATTACTAAGCTTACCCTGACCATGGAGAGTGATATCAAGGTGAA
 TGGCTATGTGGTGAACCTTTTCTGGGCATTTGACACCCACAAGCAAGAGAGGAGAACTTT
 GAACCTCCGAGGAAGCATATTGTCACACAAAGTTGGCAATCTGACAGCTCATAACCTCA
 TGAGATTTCTGCCTGGGCCAAGACTGACTTGGGGGATAGCCCTCTGGCATTGAGCATGT
 TATGACCAGAGGGTTCCGCCACCTGCACCTAGCCTCAAGGCCAAAGCCATCAACCAGAC
 TGCAAGTGAATGTACCTGGACCGGCCCCCGGAATGTGGTTTATGGTATTTTCTATGCCAC
 GTCCTTTCTTGACCTCTATCGCAACCCGAAGAGCTTGACTACTTCACTCCACAACAAGAC
 GGTCAATGTCAAGGATGAGCAGTATTTGTTTCTGGTCCGTGATGTTGTTACCTACCA
 GGGGCCATCCTCTGACTACGTTGTAGTGAAGATGATCCCGGACAGCAGGCTTCCACCCCG
 TCACCTGCATGTGGTTCATACGGGCAAAACCTCCGTGGTCAAGTGGGAATCACCGTA
 TGACTCTCCTGACCAGGACTTGTGTATGCAATTGCAGTCAAAGATCTCATAAGAAAGAC
 TGACAGGAGCTACAAAGTAAAAATCCCGTAACAGCACTGTGGAATACACCCTTAACAAGTT
 GGAGCCTGGCGGAAATACCACATCATTGTCCAAGTGGGGAACATGAGCAAGATTCCAG
 CATAAAAAATTACCACAGTTTCTTATATCAGCACCTGATGCCTTAAAAATCATAACAGAAAA
 TGATCATGTTCTTCTGTTTTGAAAAGCCTGGCTTTAAAGGAAAAGCATTTTAATGAAAAG
 CAGGGGTATGAGATACACATGTTTGTAGTGCCATGAATATCACAGCTTACCTTGGGAA
 TACTACTGACAATTTCTTTAAAATTTCCAACCTGAAGATGGGTCAATTAACAGTTTAC
 CGTCCAAGCAAGATGCCTTTTTGGCAACCAGATCTGTGGGAGCCTGCCATCCTGCTGTA
 CGATGAGCTGGGTCTGGTGCAGATGCATCTGCAACGCAGGCTGCCAGATCTACGGATGT
 TGCTGCTGTGGTGGTCCCATCTTATTCTGATACTGCTGAGCCTGGGGTGGGGTTTGC
 CATCCTGTACACGAAGCACCGGAGGCTGCAGAGCAGCTTACCCGCTTCGCCAACAGCCA
 CTACAGCTCCAGGCTGGGTCCGCAATCTTCTCCTCTGGGGATGACCTGGGGGAAGATGA
 TGAAGATGCCCTATGATAACTGGATTTTCAGATGACGTCCCATGGTGTAGCCTGAAA
 GAGCTTTCCTACTAGAAACCAATGGTGTAAATATTTTATTTGATAAAGATAGTTGATG
 GTTTATTTTAAAAGATGCACTTTGAGTTGCAATATGTTATTTTATATGGGCCAAAAACA
 AAAAAAA

Restriction Sites: NotI-NotI
ACCN: NM_003105
Insert Size: 6900 bp

OTI Disclaimer: Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.

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 TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.

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_003105.3](#), [NP_003096.1](#)

RefSeq Size: 6906 bp

RefSeq ORF: 6645 bp

Locus ID: 6653

UniProt ID: [Q92673](#)

Cytogenetics: 11q24.1

Domains: ldl_recept_b, ldl_recept_a, BNR, FN3, VPS10

Protein Families: Druggable Genome, Transmembrane

Gene Summary: This gene encodes a mosaic protein that belongs to at least two families: the vacuolar protein sorting 10 (VPS10) domain-containing receptor family, and the low density lipoprotein receptor (LDLR) family. The encoded protein also contains fibronectin type III repeats and an epidermal growth factor repeat. The encoded preproprotein is proteolytically processed to generate the mature receptor, which likely plays roles in endocytosis and sorting. Mutations in this gene may be associated with Alzheimer's disease. [provided by RefSeq, Feb 2016]