

Product datasheet for **SC331659**

SORCS1 (NM_001206570) Human Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: SORCS1 (NM_001206570) Human Untagged Clone
Tag: Tag Free
Symbol: SORCS1
Synonyms: hSorCS
Vector: pCMV6-Entry (PS100001)
Fully Sequenced ORF: >SC331659 representing NM_001206570.
Blue=Insert sequence Red=Cloning site Green=Tag(s)

```
ATGGGAAAAGTTGGCGCCGGCGGGCTCCCAAGCCGGCTGAGCGCGCTCCTCGCCGGCGGGGCTC
TTGATCCTCTGCGCCCCGGGCTCTGCGCGGGCGGCTCCTGTGCCCTCGCCGACCCAGCTCCGCT
CCACGCTCGGCCCTGACCCCTAGGGGCTTTCCACCAGGGGCGCCAGGCAGGGCTCCTGCCACGCC
CTGCCCTCGTAGTGCCTCCCTGTTCTCAGTGGCCCCGGGGACCGAGCGCTATCCCTGGAGCGGGCT
CGGGGCACTGGGCATCCATGGCGTTGCTGCACGCTCCGGCCGGAGGAGACGGAGCGGAGCGGATCAG
GAGAAGGCAGAACGGGGAGAGGGCGCGAGTCGGAGCCCCGGGGAGTGCTAAGAGATGGAGGGCAGCAG
GAGCCTGGGACTCGGGAGCGGGACCCGGACAAAGCCACCCGCTTCCGGATGGAGGAGCTGAGACTGACC
AGCACCACGTTTGCCTGACGGGAGACTCAGCACACAACCAAGCCATGGTCCACTGGTCTGGCCACAAC
AGCAGCGTGATTCTATTTTGACAAAGCTCTATGACTATAACCTGGGGAGCATCAGAGAGCTCGCTT
TGGAGGTCAACCGATTATGGAACAACCTATGAGAAGCTGAATGATAAAGTTGGTTTGGAAACATTTTG
AGCTATCTCTATGTGTCTACCAACAAGCGTAAGATAATGTTACTCACAGACCCGGAGATTGAGAGC
AGTTTATTGATCAGCTCAGATGAAGGGCAACTTATCAAAGTACCGGCTGAACCTTACATTCAAAGC
TTGCTTTTTCACCCAAACAAGAAGACTGGATTCTGGCATAACAGTCAAGACCAAAAGTTATACAGCTCT
GCTGAATTTGGGAGAAGATGGCAGCTTATCCAAGAAGGGTTGTACCAAAACAGTTCTACTGGTCTGTG
ATGGGGTCAAATAAAGAACCAGACCTTGTGCATCTTGGAGCCAGAAGTGGATGGTCATTCACATTAT
CTAACTTGCCGAATGCAGAACTGTACAGAGGCCAACAGGAATCAGCCTTTTCCAGGCTACATTGACCCA
GACTCTTTGATTGTTTCCAGGATCATTATGTGTTTTCAGCTGACATCAGGAGGGCGGCCACATTACTAC
GTGTCCTACCGAAGGAATGCATTTGCCCAAATGAAGCTTCCGAAATATGCTTTGCCAAAGGACATGCAT
GTTATCAGCACCGATGAGAATCAGGTGTTGCGAGCGGTCCAAGAATGGAACCAGAATGACACGTACAAC
CTCTACATCTCAGACACACGTGGTGTCTACTTCCCTGGCCTTGAGAAATGTCCAGAGCAGCAGAGGC
CCTGAGGGCAACATCATGATCGACCTCTATGAGGTAGCAGGGATAAAGGGAAATGTTCTTGCTAACAAAG
AAGATTGACAACCAAGTGAAGACTTTCATCACATATAACAAAGGCAGAGACTGGCGTTTGTGTCAGGCG
CCGGACACGGATTAAGGGGGACCCCGTGCACTGCTTGTGCCCTATTGCTCACTACACCTTACCTG
AAGGTCTCTGAGAATCCCTACACATCAGGGATCATTGCCAGCAAAGACACAGCTCCAAGCATCATAGTG
GCATCAGGTAATATAGTTTCTGAATTGTGACAGACTGACATCAGCATGTTTGTCTCTCAGATGCAGGG
AACACCTGGAGACAGATCTTTGAAGAAGAGCACAGTGTGTTTGTACCTGGATCAAGGTGGAGTCTGGTT
GCTATGAAACACACATCTCTCCAATTCGACATCTTTGTTGAGTTTTGATGAAGGGAGATCTGGAGC
AAATACAGTTTACATCTATTCCACTTTTGTGGATGGGTTCTGGGTGAGCCTGGAGAAGAGACTCTC
```

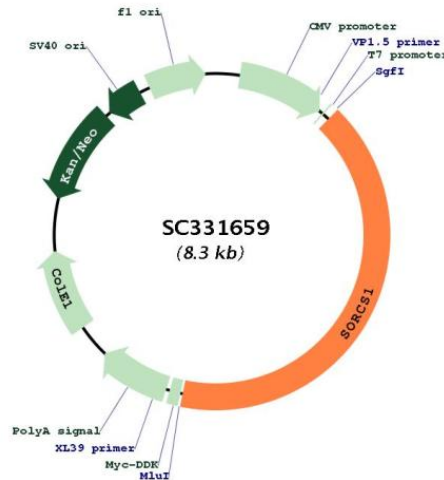


ATCATGACAGTGTGGACACTTCAGCCACCGCTCTGAATGGCAGCTGGTCAAAGTAGATTACAAGTCC
 ATTTTGTAGACGGTGTGCCGAAGAGGACTACAGACCTTGGCAGCTGCACAGCCAGGGGAAGCATGT
 ATCATGGGAGCAAAAAGGATATAAAGAAGCGAAAATCAGAGCGGAAGTGTATGCAAGGAAAATATGCA
 GGAGCTATGGAATCTGAACCTGTGTCTGCACTGAGGCTGATTTTATTGCGACTATGGTTATGAGCGA
 CACAGCAATGGCCAGTGCCTGCCGGCATTGGTTCAATCCATCCTCTGTCAAAGGATTGCAGCTTG
 GGACAGAGTTACCTCAATAGTACTGGGTACAGGAAGGTGGTTCCAATAATTGCAGTATGGCGTAAGG
 GAACAGTACACTGCCAAACCGCAGAAGTGCCAGGGAAAGCCCGGGGGCTCGGATAGTCACGGCT
 GATGGAAAGCTGACAGCGGAACAAGGACACAACGTCACCTCATGGTGCAATTAGAAGAGGGTGATGTT
 CAGCGGACACTCATCCAAGTGGACTTTGGCGATGGTATCGCGGTGTCTTACGTCAATCTCAGCTCCATG
 GAAGATGGGATCAAACACGTCTATCAGAACGTGGGCATTTCCGTGTGACCGTGCAGGTGGACAACAGT
 CTGGGTTCTGACAGCGCCGTCTGTACTTACATGTAACCTGTCCCTTGGAGCACGTGCACCTGTCTCTT
 CCCTTTGTACCACAAAAGAACAAGAGGTCAATGCGACGGCAGTGTGTGGCCAGCCAAGTGGGCACC
 CTCATTACGTGTGGTACGGAAACAACACGGAGCCTTTGATCACCTGGAGGGAAGCATATCCTTC
 AGATTTACTTCAGAAGGAATGAATACCATCACAGTGCAGGTCTCAGCTGGGAATGCCATCCTACAAGAC
 ACAAGACCATCGCAGTATATGAGGAATCCGGTCTCTTCGTTGTCCTTTCTCAAACCTGGATGAC
 TACAACCCGACATCCCTGAGTGGAGGAGGACATCGGTGAGTCAAAAAATCCCTGGTGGAAAGCC
 ACAGGGTTCCAGGCCAGCACATCCTGGTGGCGGTGTCCCTGGCTTACCACCAGTGTGAACTCTTT
 GTCCTACCCTATCAGGATCCAGCTGGAGAAAACAAAAGGTCAACTGATGACCTGGAGCAGATATCAGAA
 TTGCTGATCCACACGCTCAACAAAACCTCAGTACACTTCGAGCTGAAGCCAGGAGTCCGAGTCTTTGTC
 CATGCTGCTCACTTAACAGCGGCCCCCTGGTGGACCTCACTCCAACCCACAGTGGATCTGCCATGCTG
 ATGCTGCTCTCAGTGGTGTGTGGGGCTGGCAGTGTTCGTCATCTACAAGTTAAAAGGAAGTATTC
 CATAGTTGCTGA

Restriction Sites:

SgfI-MluI

Plasmid Map:



ACCN:

NM_001206570

Insert Size:

3393 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: | <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: | <u>NM_001206570.1</u> |
| RefSeq Size: | 7192 bp |
| RefSeq ORF: | 3393 bp |
| Locus ID: | 114815 |
| UniProt ID: | <u>Q8WY21</u> |
| Cytogenetics: | 10q25.1 |
| Protein Families: | Druggable Genome, Transmembrane |
| MW: | 125.9 kDa |
| Gene Summary: | <p>This gene encodes one family member of vacuolar protein sorting 10 (VPS10) domain-containing receptor proteins. The VPS10 domain name comes from the yeast carboxypeptidase Y sorting receptor Vps10 protein. Members of this gene family are large with many exons but the CDS lengths are usually less than 3700 nt. Very large introns typically separate the exons encoding the VPS10 domain; the remaining exons are separated by much smaller-sized introns. These genes are strongly expressed in the central nervous system. Two of the five family members (sortilin and sortilin-related receptor) are synthesized as preproteins; it is not yet known if this encoded protein is also a preproprotein. Alternatively spliced transcript variants encoding different isoforms have been identified. [provided by RefSeq, Jul 2008]</p> <p>Transcript Variant: This variant (4) lacks an alternate exon compared to variant 2, that causes a frameshift. The resulting isoform (d) has a shorter and distinct C-terminus compared to isoform b. 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> |