OriGene Technologies, Inc.
9620 Medical Center Drive, Ste 200
Rockville, MD 20850, US
Phone: +1-888-267-4436
https://www.origene.com
techsupport@origene.com
EU: info-de@origene.com
CN: techsupport@origene.cn

Product datasheet for SC331660

SORCS1 (NM_001206571) Human Untagged Clone

Product data:

Product Type: Expression Plasmids

Product Name: SORCS1 (NM_001206571) Human Untagged Clone

Tag: Tag Free

Symbol: SORCS1

Synonyms: hSorCS

Vector: pCMV6-Entry (PS100001)

Fully Sequenced ORF:

>SC331660 representing NM_001206571.
Blue=Insert sequence Red=Cloning site Green=Tag(s)

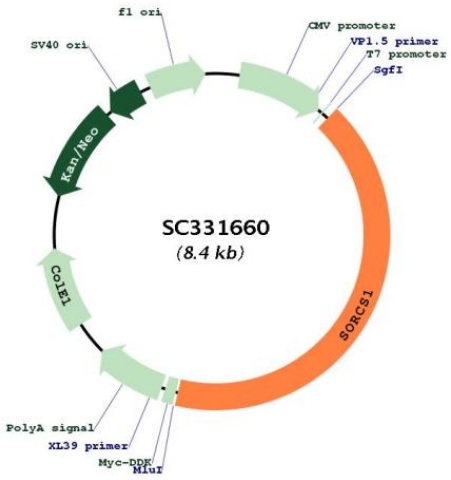
ATGGGAAAAGTTGGCGCCGGCGGCGGCTCCCAAGCCCGGCTGAGCGCGCTCCTCGCCGGCGCGGGGCTC
TTGATCCTCTGCGCCCCGGGCGTCTGCGGCGGCGGCTCCTGCTGCCCCTCGCCGCACCCCAGCTCCGCT
CCACGCTCGGCCTCGACCCCTAGGGGCTTTTCCCACCAGGGGCGGCCAGGCAGGGCTCCTGCCACGCCC
CTGCCCCTCGTAGTGCGTCCCCTGTTCTCAGTGGCCCCCGGGGACCGAGCGCTATCCCTGGAGCGGGCT
CGGGGCACTGGGGCATCCATGGCGGTTGCTGCACGCTCCGGCCGGAGGAGACGGAGCGGAGCGGATCAG
GAGAAGGCAGAACGGGGAGAGGGCGCGAGTCGGAGCCCCCGGGGAGTGCTAAGAGATGGAGGGCAGCAG
GAGCCTGGGACTCGGGAGCGGGACCCGGACAAAGCCACCCGCTTCCGGATGGAGGAGCTGAGACTGACC
AGCACCACGTTTGCGCTGACGGGAGACTCAGCACACAACCAAGCCATGGTCCACTGGTCTGGCCACAAC
AGCAGCGTGATTCTCATTTTGACAAAGCTCTATGACTATAACCTGGGGAGCATCACAGAGAGCTCGCTT
TGGAGGTCAACCGATTATGGAACAACCTATGAGAAGCTGAATGATAAAGTTGGTTTGAAAACCATTTTG
AGCTATCTCTATGTGTGTCCTACCAACAAGCGTAAGATAATGTTACTCACAGACCCGGAGATTGAGAGC
AGTTTATTGATCAGCTCAGATGAAGGGGCAACTTATCAAAAGTACCGGCTGAACTTCTACATTCAAAGC
TTGCTTTTTCACCCCAAACAAGAAGACTGGATTCTGGCATACAGTCAAGACCAAAAGTTATACAGCTCT
GCTGAATTTGGGAGAAGATGGCAGCTTATCCAAGAAGGGGTTGTACCAAACAGGTTCTACTGGTCTGTG
ATGGGGTCAAATAAAGAACCAGACCTTGTGCATCTTGAGGCCAGAACTGTGGATGGTCATTCACATTAT
CTAACTTGCCGAATGCAGAACTGTACAGAGGCCAACAGGAATCAGCCTTTTCCAGGCTACATTGACCCA
GACTCTTTGATTGTTCAGGATCATTATGTGTTTGTTCAGCTGACATCAGGAGGGCGGCCACATTACTAC
GTGTCCTACCGAAGGAATGCATTTGCCCAAATGAAGCTTCCGAAATATGCTTTGCCCAAGGACATGCAT
GTTATCAGCACCGATGAGAATCAGGTGTTCGCAGCGGTCCAAGAATGGAACCAGAATGACACGTACAAC
CTCTACATCTCAGACACACGTGGTGTCTACTTCACCCTGGCCTTGGAGAATGTCCAGAGCAGCAGAGGC
CCTGAGGGCAACATCATGATCGACCTCTATGAGGTAGCAGGGATAAAGGGAATGTTCTTGGCTAACAAG
AAGATTGACAACCAAGTGAAGACTTTCATCACATATAACAAAGGCAGAGACTGGCGTTTGCTGCAGGCG
CCGGACACGGATCTAAGGGGGGACCCCGTGCACTGCTTGCTGCCCTATTGCTCACTACACCTTCACCTG
AAGGTCTCTGAGAATCCCTACACATCAGGGATCATTGCCAGCAAAGACACAGCTCCAAGCATCATAGTG
GCATCAGGTAATATAGGTTCTGAATTGTCAGACACTGACATCAGCATGTTTGTCTCTTCAGATGCAGGG
AACACCTGGAGACAGATCTTTGAAGAAGAGCACAGTGTTTTGTACCTGGATCAAGGTGGAGTCCTGGTT
GCTATGAAACACACATCTCTCCCAATTCGACATCTTTGGTTGAGTTTTGATGAAGGGAGATCTTGGAGC
AAATACAGTTTCACATCTATTCCACTTTTTGTGGATGGGGTTCTGGGTGAGCCTGGAGAAGAGACTCTC

View online »

ATCATGACAGTGTTTGGACACTTCAGCCACCGCTCTGAATGGCAGCTGGTCAAAGTAGATTACAAGTCC
ATTTTTGATAGACGGTGTGCCGAAGAGGACTACAGACCTTGGCAGCTGCACAGCCAGGGGGAAGCATGT
ATCATGGGAGCAAAAAGGATATATAAGAAGCGAAAATCAGAGCGGAAGTGTATGCAAGGAAAATATGCA
GGAGCTATGGAATCTGAACCCTGTGTCTGCACTGAGGCTGATTTTGATTGCGACTATGGTTATGAGCGA
CACAGCAATGGCCAGTGCCTGCCGGCATTTTGGTTCAATCCATCCTCTCTGTCAAAGGATTGCAGCTTG
GGACAGAGTTACCTCAATAGTACTGGGTACAGGAAGGTGGTTTCCAATAATTGCACTGATGGCGTAAGG
GAACAGTACACTGCCAAACCGCAGAAGTGCCCAGGGAAAGCCCCGCGGGGGCTGCGGATAGTCACGGCT
GATGGAAAGCTGACAGCGGAACAAGGACACAACGTCACTCTCATGGTGCAATTAGAAGAGGGTGATGTT
CAGCGGACACTCATCCAAGTGGACTTTGGCGATGGTATCGCGGTGTCTTACGTCAATCTCAGCTCCATG
GAAGATGGGATCAAACACGTCTATCAGAACGTGGGCATTTTCCGTGTGACCGTGCAGGTGGACAACAGT
CTGGGTTCTGACAGCGCCGTCCTGTACTTACATGTAACTTGTCCCTTGGAGCACGTGCACCTGTCTCTT
CCCTTTGTCACCACAAAGAACAAAGAGGTCAATGCGACGGCAGTGCTGTGGCCCAGCCAAGTGGGCACC
CTCACTTACGTGTGGTGGTACGGAAACAACACGGAGCCTTTGATCACCTTGGAGGGAAGCATATCCTTC
AGATTTACTTCAGAAGGAATGAATACCATCACAGTGCAGGTCTCAGCTGGGAATGCCATCCTACAAGAC
ACAAAGACCATCGCAGTATATGAGGAATTCCGGTCTCTTCGCTTGTCCTTTTCTCCAAACCTGGATGAC
TACAACCCGGACATCCCTGAGTGGAGGAGGGACATCGGTCGAGTCATCAAAAAATCCCTGGTGGAAGCC
ACAGGGGTTCCAGGCCAGCACATCCTGGTGGCGGTGCTCCCTGGCTTACCCACCACTGCTGAACTCTTT
GTCCTACCCTATCAGGATCCAGCTGGAGAAAACAAAAGGTCAACTGATGACCTGGAGCAGATATCAGAA
TTGCTGATCCACACGCTCAACCAAAACTCAGTACACTTCGAGCTGAAGCCAGGAGTCCGAGTCCTTGTC
CATGCTGCTCACTTAACAGCGGCCCCCCTGGTGGACCTCACTCCAACCCACAGTGGATCTGCCATGCTG
ATGCTGCTCTCAGTGGTGTTTGTGGGGCTGGCAGTGTTCGTCATCTACAAGTTTAAAAGGTGCGTGTCC
CTCTATCCACGTTCCCCCACCCCTGACCTCTTCCTTCTCCCTGACAGGTTCAGAAGCATGTGTTACAGT
GATGTGCATAGCAGTGATGGTTTCTATTAA

Restriction Sites: SgfI-MluI

Plasmid Map:



ACCN: NM_001206571

Insert Size: 3480 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_001206571.1
RefSeq Size:	4259 bp
RefSeq ORF:	3480 bp
Locus ID:	114815
UniProt ID:	Q8WY21
Cytogenetics:	10q25.1
Protein Families:	Druggable Genome, Transmembrane
MW:	129.1 kDa
Gene Summary:	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 preproproteins; 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] Transcript Variant: This variant (5) differs in the 3' UTR and coding sequence compared to variant 2. The resulting isoform (e) 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.