

Product datasheet for **SC304827**

SORCS2 (NM_020777) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SORCS2 (NM_020777) Human Untagged Clone
Tag:	Tag Free
Symbol:	SORCS2
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene sequence for NM_020777 edited

```

ATGGCGCACCGGGGCCCTCGCGCGCTCGAAGGGCCCCGGCCCCACGCCCCGAGCCCCG
AGCCCCGGGGCTCCGCCCGCGCGCTCGCCGCGCTCGCGGCCGCTCCTGCTGTGCTG
CTGCTGTGGGGCCTGCGGGGCGGGGGCGCTCCCCTGAGCCCGGGCGCTGGGTCT
CACGCCAACTGACCCGGGTGCCGCGGAGCCCTCCCGCGGGGCGCGCGGAGCCCCGGTGGC
GGCGAGGACCGGAGGCGCGCGGACGGAGCCAGGCGCCCCGGGTCCGAGTCCCGGTCCC
GTCCTGGTCCCGGCGAGGACGGCGCCCCCGCGCGGGTACCGGCGCTGGGAGCGGGCG
GCGCCGCTGGCCGGAGTGGCTTCGCGGGCGCAGGTCTCGCTCATCAGCACGTCTGTCGTG
CTCAAGGGGGACGCGACGCACAACAGGCGATGGTGCCTGACGGGGGAGAAACAGCAGC
GTGATCTTGATCCTGACGAAGTACTACCACGCAGACATGGGAAGTTCTGGAAAGTTCT
CTGTGGCGGTATCAGATTTTCGGGACGTCTACACCAAGCTCACCTCCAGCCTGGTGTG
ACCACCGTCATCGACAATTTCTACATCTGCCCGACCAACAAGAGGAAGGTATCCTTGTC
AGTCCTCACTCAGTGACCGGGACCAGAGCCTATTCTCAGCGCAGACGAAGCGCCACC
TTTCAGAAGCAGCCATTCCCTTCTTCTGTTGAAACTCTGATTTTCCACCCTAAGGAGGAG
GACAAGGTCTCGCTACACAAAGGAGAGCAAGCTCTACGTGTCATCTGACTTGGGGAAA
AAGTGGACTTCTGCAAGAGCGAGTGACCAAAGACCAGTGTCTGGTCTGTGTCTGGG
GTGGACGCTGACCCTGACTTGGTCCACGTGGAAGCCCAAGACCTCGGTGGAGATTTTCGG
TACGTACCTGCGCAATCCACAATTGCTCCGAGAAGATGCTGACAGCCCCATTTCGAGGC
CCCATTGACCACGGGTCTGACCGTGCAGGACGATTACATCTTCTTAAAGGCAACATCA
GCAAACAGACAAAATACTACGTCTTATCGTCAAATGAATTTGTCCTGATGAAGCTG
CCGAAGTATGCATTGCCAAAGGATCTGCAGATCATCAGCACGGACGAGAGTCAGGTGTTT
GTGGCGGTGCAGGAGTGGTACCAGATGGACACCTACAACCTGTACCAGTCGGACCCACGG
GGCGTGCCTACGCGCTGGTGTGCAGGACGTGCGCAGCTCACGGCAGGCGGAGGAGAGC
GTGCTCATCGACATCCTGGAGGTGAGAGGGTGAAGGAGTCTTCTGGCAAACCAAAAA
ATTGATGGGAAAGTGATGACGCTTATAACCTACAACAAGGGCCGCGACTGGGATTACCTG
AGGCCACCCAGCATGGACATGAATGGAAAACCAACCAACTGCAAGCCTCCAGACTGCCAC
GTGCACCTGCACCTGCGCTGGGAGACAACCCCTACGTATCAGGCACCGTGCACACCAAG
GACACCGCCCCAGCCCTCATGCGGTGACAGTAACCTGGGCTCACAGCTGGTGGAAATAT
AAAGAAGAAATGTACATCACGTGACTGTGGTACACCTGGCGGACGGTGTGAGGAA

```



[View online >](#)

GAGCATCACATCCTGTACCTGGACCACGGCGGCGTGATCGTGGCCATCAAAGACACCTCC
 ATCCCTTTGAAGATCCTCAAGTTCAGTGTGGACGAGGGCCTCACCTGGAGCACGCACAAC
 TTCACCAGCACCTCGGTGTTTGTGGACGGGCTGCTGAGTGAGCCAGGGGACGAGACGCTG
 GTCATGACGGTCTTTGGCCACATCAGCTCCGCTCCGATTGGGAGCTGGTCAAGGTGGAC
 TTCCGGCCCTCATTCTCCAGGCAGTGCGGCGAGGAGACTACAGCTCCTGGGAGCTCTCC
 AACCTGCAGGGCGACCGCTGTATCATGGGCCAGCAGAGAAGTTCCGGAAAAGAAAGTCC
 ACGTCTGGTGCATCAAGGGGAGGAGCTTACAGTCGGCGCTCACGTCCCGCGTGTGCGAG
 TGCCGGGACTCGACTTCTGTGCGACTACGGATTTGAGCGCTCCTCCTCCTCAGAGTCC
 AGCACCAACAAGTGCTCTGCCAACTTCTGGTTTAAACCATTGTCCCCGCCTGACGACTGT
 GCCCTGGGCCAGACCTACACCAGCAGCCTTGGGTACCGAAAAGTGGTGTCCAACGTGTGT
 GAGGGTGGGGTGGACATGCAGCAGAGTCAGGTGCAGCTGCAGTCCCCCTCACGCCGCC
 CGGGCCCTGCAGGTGAGCATTCAAGGCGAGGCGGTGGCCGTGCGGCTGGAGAGGACGTC
 CTGTTTGGTGCAGCAGGAGCAGGGTGTGCTCCTGACTACCAAGTACCAGGTAGACCTT
 GGGGACGGCTTCAAGCCATGTACGTGAACCTTACTGACCGGGGAGCCATCCGGCAC
 CGCTACGAGAGCCCCGGCATCTACCGCGTGTCCGTGAGGCGAGAACACGGCAGGCCAC
 GATGAGGCGGTGCTCTTTGTCCAGGTAACTCCCCCTGCAGGCCCTCTACCTGGAGGTG
 GTTCTGTCAATTGGCCTCAACCAGGAGGTGAACCTCACAGCTGTGCTGCTTCCCTTGAAC
 CCTAACCTCACCGTCTTCTACTGGTGGATCGGCCACAGCCTGCAGCCCCCTCTTTCCCTG
 GATAATTCTGTGACAACGCGGTTTTCCGACACGGGCGAGCTGCGTGTGACGGTGCAGGCC
 GCCTGTGGGAACTCGGTGTGCAGGACTCCAGGGTCTCCGTGTGCTGGATCAATTTCAA
 GTCATGCCTCTGCAGTTTTCCAAGGAGCTGGATGCCTACAACCCCAACACCCCTGAGTGG
 AGGGAAGACGTGGGCCTGGTGGTCAACCGGCTGCTCTCCAAGGAGACCAGCGTCCCTCAG
 GAGCTTCTGGTACTGTGGTGAAGCCGGGCTGCCACTTTGGCCGATCTGTACGTGCTC
 CTGCCCTCCAGGCCACAAGGAAGAGGAGCCTCTCGAGTGATAAGAGGCTCGCCGCC
 ATCCAGCAGGTGCTGAACGCACAGAAGATCAGTTCCTCCTGCGAGGCGGAGTCCGGGTC
 CTGGTGGCCCTGCGGGACACAGGCACAGGTGCTGAGCAGCTGGCGGCGGTGGCGGCTAC
 TGGGCGGTAGTGGTGTGTTTGTGTCATCGGGCTCTTCGACGCGGGAGCCTTCATCCTCTAC
 AAGTTCAAAGGAAACGGCCAGGCAGGACCGTGTACGCCAAATGCACAACGAGAAGGAG
 CAGGAGATGACCAGCCCTGTGAGTCACAGTGAGGACGTCCAGGGCGCTGTCCAGGGCAAC
 CACTCAGGCGTGGTCTGAGCATCAACTCCCGAGAGATGCACAGTACCTGGTGAGCTGA

- Restriction Sites:** Please inquire
- ACCN:** NM_020777
- Insert Size:** 3500 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).
- 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_020777.1](#), [NP_065828.1](#)

RefSeq Size: 5963 bp

RefSeq ORF: 3030 bp

Locus ID: 57537

UniProt ID: [Q96PQ0](#)

Cytogenetics: 4p16.1

Protein Families: Druggable Genome, Transmembrane

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. [provided by RefSeq, Jul 2008]