

Product datasheet for **SC328047**

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:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC328047 representing NM_020777. Blue=Insert sequence Red=Cloning site Green=Tag(s)

GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCC**GCGATCGCC**
ATGGCGCACCGGGGGCCCTCGCGCGCTCGAAGGGCCCCGGCCCCACGCCCCAGCCCCAGCCCCGGG
GCTCCGCCGCCGCCGCTCGCGCGCTCGCGGCCGCTCCTGCTGCTGCTGCTGCTGGGCGCCTGC
GGGGCGCGGGGCGCTCCCTGAGCCCGGGCGCTGGGTCTCACGCCAACTGACCCGGGTGCCGCG
AGCCCTCCCGCGGGGCGCGCGGAGCCCGGTGGCGGCGAGGACGGCAGGCGCGCGGCACGGAGCCAGGC
GCCCGGGTCCGAGTCCCGGTCCCGTCTGTCGGCGGAGGACGGCGCCCCCGCGCGGGCTACCGG
CGCTGGGAGCGGGCGCGCGCTGGCGGAGTGGCTTCGCGGGCGCAGGTCTCGTCAATCAGCACGTG
TTCGTGCTCAAGGGGACGCGACGACACCAAGCGATGGTGCACTGGACGGGCGAGAACAGCAGCGTG
ATCTTGATCCTGACGAAGTACTACACGACGACATGGGGAAGTTCTGGAAGTTCTCTGTGGCGTCA
TCAGATTTGGGACGTCCTACACCAAGCTCACCTCCAGCCTGGTGTACCAACGTCATCGACAATTC
TACATCTGCCGACCAACAAGAGGAAGTCATCTTGTGACGTCCTCACTCAGTGACCGGGACCAGAGC
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ATTTTCCACCCTAAGGAGGAGGACAAGGTCTCGCTACACAAAGGAGAGCAAGCTCTACGTGTCATCT
GACTTGGGAAAAAGTGGACACTTCTGCAAGAGCGAGTGACCAAGACCACGTGTTCTGGTCTGTGTCT
GGGTGGACGCTGACCTGACTTGGTCCAGTGGAAGCCCAAGACCTCGGTGGAGATTTTCGGTACGTC
ACCTGCGCAATCCACAATTGCTCCGAGAAGATGCTGACAGCCCCATTGCGAGGCCCATGACCACGGG
TCTCTGACCGTGACGACGATTACATCTTCTTTAAGGCAACATCAGCAAACAGACAAAATACTACGTC
TCTTATCGTCGAATGAATTTGCTGATGAAGCTGCCGAAGTATGCATTGCCAAAGGATCTGCAGATC
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TACCAGTCGGACCCACGGGGCGTGCCTACGCGCTGGTGTGACGAGCTGCGCAGCTCACGGCAGGCG
GAGGAGAGCGTGCTCATCGACATCTGGAGGTGAGGGGTGAAAGGAGTCTTCTGGCAAACAAAAA
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AGCATGGACATGAATGGAAAACCAACCACTGCAAGCCTCCAGACTGCCACCTGCACCTGCACCTGCGC
TGGGACAGCAACCCCTACGTATCAGGCACCGTGACACCAAGGACACCGCCCCAGGCCTCATCATGGGT
GCAGGTAACCTGGGCTCACAGCTGGTGAATATAAAGAAGAAATGTACATCACGTCAGACTGTGGTCA



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ACCTGGCGGCAGGTGTTTGAGGAAGAGCATCACATCCTGTACCTGGACCACGGCGCGTGATCGTGGCC
 ATCAAAGACACCTCCATCCCTTTGAAGATCCTCAAGTTCAGTGTGGACGAGGGCCTACCTGGAGCAG
 CACAACTTCACCAGCACCTCGGTGTTTGTGGACGGGCTGCTGAGTGAGCCAGGGGACGAGACGCTGGTC
 ATGACGGTCTTTGGCCACATCAGCTTCCGCTCCGATTGGGAGCTGGTCAAGGTGGACTCCGGCCCTCA
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 CGCTCCTCCTCCTCAGAGTCCAGCACCAACAAGTGCTCTGCCAAGTTCTGGTTTAAACCCATTGTCCCG
 CCTGACGACTGTGCCCTGGGCCAGACCTACACCAGCAGCCTTGGGTACCGGAAAGTGGTGTCCAACGTG
 TGTGAGGGTGGGGTGGACATGCAGCAGAGTCAGGTGCAGCTGCAGTGCCCCCTCACGCCGCCCGGGG
 CTGCAGGTGAGCATTCAAGGCGAGGCGGTGGCCGTGCGGCCTGGAGAGGACGTCCTGTTTGGTGGCG
 CAGGAGCAGGGTGATGTCCTGACTACCAAGTACCAGGTAGACCTTGGGGACGGCTTCAAGGCCATGTAC
 GTGAACCTTACACTGACCGGGGAGCCCATCCGGCACCGCTACGAGAGCCCGGCATCTACCGCGTGTCC
 GTCAGGGCAGAGAACACGGCAGGCCACGATGAGGCGGTGCTCTTGTCCAGGTCAACTCCCCCTGCAG
 GCCCTCTACCTGGAGGTGTTTCTGTGCTTGGCCTCAACCAGGAGGTGAACCTCACAGCTGTGCTGCTT
 CCCTTGAAACCCTAACCTACCGTCTTCTACTGGTGGATCGGCCACAGCCTGCAGCCCTCCTTTCCTG
 GATAATTCTGTGACAACGCGTTTTTCGGACACGGGCGACGTGCGTGTGACGGTGCAGGCCCTGTGGG
 AACTCGGTGCTGCAGGACTCCAGGGTCTCCGTGTGCTGGATCAATTTCAAGTCATGCCTCTGCAGTTT
 TCCAAGGAGCTGGATGCCTACAACCCCAACACCCTGAGTGGAGGGAAGACGTGGGCCTGGTGGTACC
 CGGCTGCTCTCCAAGGAGACAGCGTCCCTCAGGAGCTTCTGGTACTGTGGTGAAGCCGGGGCTGCC
 ACTTTGGCCGATCTGTACGTGCTCCTGCCCCCTCCAGGCCACAAGGAAGAGGAGCCTCTCGAGTGAT
 AAGAGGCTCGCCGCCATCCAGCAGGTGCTGAACGCACAGAAGATCAGTTCCTCCTGCGAGGCGGAGTC
 CGGGTCTGGTGGCCCTGCGGGACACAGGCACAGGTGCTGAGCAGCTGGGCGGCGGTGGCGGCTACTGG
 GCGGTAGTGGTGTGTTTGTGTCATCGGGCTCTTCGAGCGGGAGCCTTATCCTCTACAAGTTCAAAAGG
 AAACGGCCAGGCAGGACCGTGTACGCCAAATGCACAACGAGAAGGAGCAGGAGATGACCAGCCCTGTG
 AGTCACAGTGAGGACGTCCAGGGCGCTGTCCAGGGCAACCACTCAGGCGTGGTCTGAGCATCAACTCC
 CGAGAGATGCACAGCTACCTGGTGAAGTGA
 ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
 TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC

Restriction Sites:	Sgfl-MluI
ACCN:	NM_020777
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).
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:	<u>NM_020777.2</u>
RefSeq Size:	6061 bp
RefSeq ORF:	3480 bp
Locus ID:	57537
UniProt ID:	<u>Q96PQ0</u>
Cytogenetics:	4p16.1
Protein Families:	Druggable Genome, Transmembrane
MW:	128.2 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. [provided by RefSeq, Jul 2008]