

## Product datasheet for **SC115059**

### SULT4A1 (NM\_014351) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	SULT4A1 (NM_014351) Human Untagged Clone
Tag:	Tag Free
Symbol:	SULT4A1
Synonyms:	BR-STL-1; BRSTL1; DJ388M5.3; hBR-STL-1; NST; SULTX3
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC115059 sequence for NM_014351 edited (data generated by NextGen Sequencing)

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ATGGCGGAGAGCGAGGCCGAGACCCCCAGCACCCCGGGGAGTTCGAGAGCAAGTACTTC
GAGTTCCATGGCGTGCAGCTGCCGCCCTTCTGCCGCGGAAGATGGAGGAGATCGCCAAC
TTCCCGGTGCGGCCAGCGACGTGTGGATCGTACCTACCCCAAGTCCGGCACCAGCTTG
CTGCAGGAGGTGGTCTACTTGGTGAGCCAGGGCGCTGACCCCGATGAGATCGGCTTGATG
AACATCGACGAGCAGCTCCCGTCTGGAGTACCCACAGCCGGCCTGGACATCATCAAG
GAACTGACCTCTCCCGCCTCATCAAGAGCCACCTGCCCTACCGTTTCTGCCCTGAC
CTCCACAATGGAGACTCCAAGGTCATCTATATGGCTCGCAACCCCAAGGATCTGGTGGT
TCTTATTATCAGTTCACCGCTCTGCGGACCATGAGCTACCGAGGCACCTTTCAAGAA
TTCTGCCGGAGGTTTATGAATGATAAGCTGGGCTACGGCTCCTGGTTTGAGCACGTGCAG
GAGTTCTGGGAGCACCGCATGGACTCGAACGTGCTTTTTCTCAAGTATGAAGACATGCAT
CGGGACCTGGTGACGATGGTGGAGCAGTGCCAGATTCTGGGGTGTCTGTGACAAG
GCCCAGCTGGAAGCCCTGACGGAGCACTGCCACCAGCTGGTGGACCAGTGTGCAACGCT
GAGGCCCTGCCCGTGGGCCGGGAAGAGTTGGGCTGTGGAAGGACATCTTACCCTCTCC
ATGAATGAGAAGTTTACTTGGTGTATAAACAGAAGATGGGAAAGTGTGACCTCACGTTT
GACTTTTATTTATAA

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Clone variation with respect to NM\_014351.3



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<b>5' Read Nucleotide Sequence:</b>	<p>&gt;OriGene 5' read for NM_014351 unedited</p> <pre> TTTGTAAACGACTCACTATAGGGCGGCCGGAATTCGGCACGAGGGCGAGCCGGGAGGC GGCGGGCGGCGACGGCGACGGCGGGCGGCATGGCGGAGAGCGAGGCCGAGACCCCCAGCACC CCGGGGGAGTTCGAGAGCAAGTACTTCGAGTCCATGGCGTGCGGCTGCCGCCCTTCTGC CGCGGGAAGATGGAGGAGATCGCCAACCTCCCGGTGCGGCCACGACGCTGTGGATCGTC ACCTACCCCAAGTCCGGCACAGCTTGCAGGAGGTGGTCTACTTGGTGAGCCAGGGC GCTGACCCCGATGAGATCGGCTTGATGAACATCGACGAGCAGCTCCCGGTCTGGAGTAC CCACAGCCGGGCTGGACATCATCAAGGAACCTGACCTCTCCCGCCTCATCAAGGCCAC CTGCCCTACCGCTTCTGCCCTCTGACCTCCACAATGGAGACTCCAAGGCATCTATATG GCTCGCAACCCCAAGGATCTGGTGGTGTCTTATTATCAGTTCCACCGCTCTCTGCGGACC ATGAGCTACCGAGGCACCTTTCAAGAATTCTGCCGGAGGTTTATGAATGATAAGCTGGGC TACGGCTCTGGTTTGGACAGTGCAGGAGTCTGGGAGCACCGCATGGACTCGAACGTG CTTTTTCTCAAGATGAAGACATGCATCGGGACCTGGTACGATGGTGGAGCAGCTGCCAG ATTCTGGNGGGTGTNCTGTGACAAGCCAGCTGNAAGCCTGACNGACACTGCCACAGCTG GTGGACCAAGTGTGCAACGCTGAGCCCTGNCCCGTGGCCGGGAAAAAGTNNGGCTGTGAA GGACAATCTCACGTCTCATGATGAGAAGNNTGACACTGTGTATACAGAGATGGGGAAAGG GGACCTCCGGTTTGACTTATTATAATACGAAACACAACCTGCTGCTNACATT </pre>
<b>3' Read Nucleotide Sequence:</b>	<p>&gt;OriGene 3' read for NM_014351 unedited</p> <pre> ACCTCTGACCGCGGCCGCAATCTAGGATCGAGTTTTTTTTTTTTTTTTTCCGGGACATG TCTTTATTAAGATGCAAGCAAGCACAGAAGGATCATGTGTAGTGCTCAGTAACATCCAT ACAGTACTAAAAATAGAAAAATATAAATGAAATTTACAGAAAAGCAGCCTCCCTCACAGA AACACAGGCAAGGTGCTGCCGAGCCACCATGCGATGCCACGTGCCACCTGCCTGGCCAC GCTTCTCCCATTACAAACAAAAACACAAGCTTTTCTCTACACCCGTTTCAAATACAGCA CCAAGAACGGAGACCCCTTCCACAGCAGCGACCCCTCTGACCACCACTTTGGGTGCTTTC CAGCCACATAAATGACAGACAACCCCGGTCCCCACGGGTTGGTTGGCTACTGGCCCCCG ACTCTCCATCGCTTCAGCGAATGTGGCTGAGAAAATTACGCAGTGAACCAATAAAGACCT CACCTTACTCCCTCAGACACACGGAGGGATGAGGCGGCCAGACACGAGGCGGCCGTGC CACCTGATCCGAGTGAAACAGGGCTACACTCGCAAAATGGTCTCCACGGCTGACCGC TTCAGGCGCACAGAACAACCTGAATGACAAAGACCCGCGGATTTAGAAAATTTACTATTA ACCATTGTCTTCCACCATTAGCAGGCTATCACTCNAGGAAACAAGCAACGCTGTGGAA CCCACCCTAAATTCAGAGCCCACTCCCGCCCTTGGTGGTCCCCTCTCCACCCACGCCGC CATAGCCTCTGAATGCACAGCATCCACCTGCCCGCCTTACAGGCAGACTTCTCAACAT ATGCTCCGCGGTCTCCCTCCCTGGGCTTTTGCACCGTCCGCTGAACCATCTGGCAAAAG ACCCCATCTGAATACCTAGGAACATTTCTGGTCATTCAAGC </pre>
<b>Restriction Sites:</b>	NotI-NotI
<b>ACCN:</b>	NM_014351
<b>Insert Size:</b>	2500 bp
<b>OTI Disclaimer:</b>	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).
<b>Components:</b>	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\\_014351.2](#), [NP\\_055166.1](#)

**RefSeq Size:** 2514 bp

**RefSeq ORF:** 855 bp

**Locus ID:** 25830

**UniProt ID:** [Q9BR01](#)

**Cytogenetics:** 22q13.31

**Domains:** Sulfotransfer

**Gene Summary:** This gene encodes a member of the sulfotransferase family. The encoded protein is a brain-specific sulfotransferase believed to be involved in the metabolism of neurotransmitters. Polymorphisms in this gene may be associated with susceptibility to schizophrenia. [provided by RefSeq, Jul 2008]

Transcript Variant: This variant (1) is the predominant transcript and it encodes isoform a.