

Product datasheet for **SC324411**

SULT1C2 (NM_001056) Human Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: SULT1C2 (NM_001056) Human Untagged Clone
Tag: Tag Free
Symbol: SULT1C2
Synonyms: humSULTC2; ST1C1; ST1C2; SULT1C1
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC (PS100020)
E. coli Selection: Ampicillin (100 ug/mL)

Fully Sequenced ORF: >OriGene sequence for NM_001056.3
GACCCCTTGAGTGGGCCTTTGAGCTGCTGACTTTTCAGCTGGAACCTGAAGGGACCCCAACC
CTGAGACACTATGGCCCTGACCTCAGACCTGGGAAACAGATAAACTGAAAGAGGTGGA
GGGGACCTCCTGCAGCCTGCAACTGTGGACAACCTGGAGCCAGATCCAGAGCTTCGAGGC
CAAACCAGATGATCTCCTCATCTGCACCTACCCTAAAGCAGGGACAACGTGGATTGAGGA
AATTGTGGATATGATTGAACAGAATGGGGACGTGGAGAAGTGCCAGCGAGCCATCATCCA
ACACCGCCATCCTTTTCATTGAGTGGGCTCGGCCACCCCAACCTTCTGGTGTGGAAAAAGC
CAAAGCAATGCCCTCTCCACGGATACTAAAGACTCACCTTTCCACTCAGCTGCTGCCACC
GTCTTTCTGGGAAAACAACTGCAAGTTCCTTTATGTAGCTCGAAATGCCAAAGACTGTAT
GGTTTCCTACTACCATTTCCAAAGGATGAACCACATGCTTCTGACCCTGGTACCTGGGA
AGAGTATTTTGAACCTTCATCAATGGAAGTGGTTTGGGGTTCCTGGTTTGACCACGT
GAAAGGATGGTGGGAGATGAAAGACAGACACCAGATTCTTCTCCTTCTATGAGGACAT
AAAGAGGGACCCAAAGCATGAAATTCGGAAGGTGATGCAGTTCATGGGAAAGAAGGTGGA
TGAAACAGTGCTAGATAAAATTGTCAGGAGACGTCATTTGAGAAAAAGAAAGAAATCC
CATGACAAATCGTTCTACAGTTTCCAAATCTATCTTGGACCAGTCAATTTCTCCTTCAT
GAGAAAAGGAAGTGTGGGGGATTGGAAAAACCTTCACTGTTGCCCAGAATGAGAGGTT
TGATGAAATCTATAGAAGAAAGATGGAAGGAACCTCCATAAACTTCTGCATGGAAGTCTG
AGCAAGATGTAATAAAATTTAAAGGTGGATGGCAAGAGTGCAAACTACTATCTTCAATCC
TTCAGTCCCAGCCAGAAGAATCTCTGAAAGCATATTGTGAATGTATACAATGTAGTACAA
ACAATCTGTGATGATTAACAGTATGTCAACACTTCATTTTTTAAAAAGGATCAGCTCT
AATGCCCATTTTCCCAACTATTCTTTCCAAAGTAAAGATATAAGGTAGCTTAATAAACTAA
GTAAAAACAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA

Restriction Sites: Please inquire
ACCN: NM_001056



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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:	<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:	NM_001056.3 , NP_001047.1
RefSeq Size:	2799 bp
RefSeq ORF:	891 bp
Locus ID:	6819
UniProt ID:	O00338
Cytogenetics:	2q12.3
Gene Summary:	<p>Sulfotransferase enzymes catalyze the sulfate conjugation of many hormones, neurotransmitters, drugs, and xenobiotic compounds. These cytosolic enzymes are different in their tissue distributions and substrate specificities. The gene structure (number and length of exons) is similar among family members. This gene encodes a protein that belongs to the SULT1 subfamily, responsible for transferring a sulfo moiety from PAPS to phenol-containing compounds. Two alternatively spliced transcript variants encoding different isoforms have been described for this gene. [provided by RefSeq, Jul 2008]</p> <p>Transcript Variant: This variant (1) is the predominant transcript and it encodes isoform a.</p> <p>Sequence Note: This RefSeq record was created from transcript and genomic sequence data because no single transcript was available for the full length of the gene. The extent of this transcript is supported by transcript alignments and orthologous data.</p>