

Product datasheet for **SC109803**

SULT1A2 (NM_001054) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SULT1A2 (NM_001054) Human Untagged Clone
Tag:	Tag Free
Symbol:	SULT1A2
Synonyms:	HAST4; P-PST; P-PST 2; ST1A2; STP2; TSPST2
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_001054, the custom clone sequence may differ by one or more nucleotides

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ATGGAGCTGATCCAGGACATCTCTCGCCCGCCACTGGAGTACGTGAAGGGGTCCCCTCATCAAGTACT
TTGCAGAGGCACTGGGGCCCTGCAGAGCTTCCAGGCCCGCCTGATGACCTGCTCATCAGCACCTACCC
CAAGTCCGGCACCACCTGGGTGAGCCAGATTCTGGACATGATCTACCAGGGCGGTGACCTGGAAAAGTGT
CACCGAGTCCCCTCTTCATGCGGGTGCCTTCTTGGATTCAAAGTCCCAGGGATTCCCTCAGGGATGG
AGACTCTGAAAAACACACCAGCCCCAGACTCCTGAAGACACACCTGCCCTGGCTCTGCTCCCCAGAC
TCTGTTGGATCAGAAGGTCAAGGTGGTCTATGTTGCCCGCAACGAAAGGATGTGGCGGTTTCTACTAC
CACTTCTACCACATGGCCAAAGTGTACCCTCACCTGGGACCTGGGAAAGCTTCTGGAGAAGTTCATGG
CTGGAGAAGTGTCTATGGGTCCCTGGTACCAGCACGTGCAAGAGTGGTGGGAGCTGAGCCGACCCACCC
TGTTCTCTACCTCTTCTATGAAGACATGAAGGAGAACCCAAAAGGGAGATTCAAAGATCCTGGAGTTT
GTGGGGCGCTCCCTGCCAGAGGAGACTGTGGACCTCATGGTTGAGCACACGTCGTTCAAGGAGATGAAGA
AGAACCCTATGACCAACTACACCACCGTCCGCCGGGAGTTCATGGACCACAGCATCTCCCCCTTCATGAG
GAAAGGCATGGCTGGGGACTGGAAGACCACCTTACCCTGGCGCAGAATGAGCGCTTCGATGCGGACTAT
GCGGAGAAGATGGCAGGCTGCAGCCTCAGCTTCCGCTCTGAGCTGTGA
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Restriction Sites:	NotI-NotI
ACCN:	NM_001054
Insert Size:	5060 bp



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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).
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:	<u>NM_001054.2</u> , <u>NP_001045.1</u>
RefSeq Size:	1049 bp
RefSeq ORF:	888 bp
Locus ID:	6799
UniProt ID:	<u>P50226</u>
Cytogenetics:	16p11.2
Domains:	Sulfotransfer
Protein Pathways:	Sulfur metabolism
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 one of two phenol sulfotransferases with thermostable enzyme activity. Two alternatively spliced variants that encode the same protein have been described. [provided by RefSeq, Jul 2008]</p> <p>Transcript Variant: This variant (1) is the predominant transcript. Variants 1 and 2 encode the same protein.</p>