

Product datasheet for **SC321604**

SULT1B1 (NM_014465) Human Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: SULT1B1 (NM_014465) Human Untagged Clone
Tag: Tag Free
Symbol: SULT1B1
Synonyms: ST1B1; ST1B2; SULT1B2
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC (PS100020)
E. coli Selection: Ampicillin (100 ug/mL)

Fully Sequenced ORF: >OriGene sequence for NM_014465.2
GGGGAACTTGCCTCATGTGTGTGTGTGTGTGTGATTGTGGGTGGGTAGTTT
AACCTTTTTATATCTTAGCTGCCTGTAACTCAGTGATTGCTACGTTTCAGATCAAACCTT
GAACTTTTTTTTTCTGGTGCCAGGAGCCTTCTGTGCTCCCCATTGCCTGCCAGAACCAC
CACCGTTTCCCATGGTACTCTACAGCAGCTTCACTGCCTGAAAAATGAAAAGTGAACAAA
GGGATTAATTTGTGAGAACAACTGTCAATCTATTATATATTTGTACAATCTGGTATTAAA
ATGCTTTCCCAAAAGATATTCTGCGAAAAAGATCTGAAGTTGGTCCATGGTTATCCCATG
ACCTGTGCTTTTGAAGCAACTGGGAAAAAATTGAACAGTTCCATAGCAGACCAGATGAC
ATTGTGATAGCCACTTATCCTAAATCAGGTACTACTTGGGTTAGTGAATATAGACATG
ATTCTAAATGATGGAGATATTGAAAAATGTAAGCGAGGTTTTATTACTGAAAAAGTTCCA
ATGTTGGAATGACTCTCCCTGGATTAAGAACATCAGGTATAGAACAAATTGGAGAAGAAT
CCATCACCCCGGATTGTGAAAACACATCTACCGACTGATCTTCTTCTAAATCTTTCTGG
GAAAAAATTGCAAGATGATTTATCTGGCTCGTAATGCCAAGGATGTTTCAGTCTCATAT
TACCATTTTACTTAATGAATAATTTACAGCCTTTTCTGGTACCTGGGAAGAATATCTG
GAGAAATCTTAACTGGAAAAGTGGCCTATGGTTCCTGGTTTACTCATGTTAAAAACTGG
TGAAGAGAAAGGAAGAACACCCAATACTTTTTTGTACTATGAAGATATGAAAGAGAAT
CCAAAGGAGGAAATCAAGAAGATCATTAGATTTCTAGAGAAGAACCTGAATGATGAGATC
TTGGATAGGATCATCCATCACACCTCATTGAAGTGATGAAGGACAATCCTTTGGTAAAT
TATACACATCTACCAACTACAGTGATGGATCATAGCAAATCCCCTTTTATGCGTAAAGGG
ACGGCTGGTGACTGGAAGAATTACTTACCGTGGCCCAAATGAGAAATTTGATGCTATT
TATGAGACAGAAATGTCCAAAAGTCACTTCAATTCCGCACAGAGATTTAAAGTGCTAA
GTCACAAATCTGAAGAAATAAGAGATTGTCTGTAGTTGATTGAAACGAGGGCAGTTATGA
ATTGATTTGGCAATCAAATGAATTTATAAAGGAGAATGAAAAAAAAAAAAAAAAAAAAA
AAAAAAA

Restriction Sites: Please inquire



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ACCN:	NM_014465
OTI Disclaimer:	<p>Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.</p> <p>The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. More info</p>
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_014465.2 , NP_055280.2
RefSeq Size:	1334 bp
RefSeq ORF:	891 bp
Locus ID:	27284
UniProt ID:	O43704
Cytogenetics:	4q13.3
Domains:	Sulfotransfer
Gene Summary:	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. However, the total genomic length of this gene is greater than that of other SULT1 genes. [provided by RefSeq, Jul 2008]