

Product datasheet for **MC201833**

Sult1b1 (NM_019878) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Sult1b1 (NM_019878) Mouse Untagged Clone
Tag: Tag Free
Symbol: Sult1b1
Synonyms: ST1B1; St2b2
Mammalian Cell Selection: Neomycin
Vector: PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection: Kanamycin (25 ug/mL)

Fully Sequenced ORF: >BC024361 sequence for NM_019878
 CACTTGTACACAGAACCTGATTTTACTCCTTCTATTCTTCTGTTTCAGCCTGCTGCAAAAATGAGTGC
 CTCAGAAGACGTTTGGAGAAAAGATCTGAAGATGATCCATGGCTACCCCATGATCTATGCTTTGCACTC
 AATTGGGAAAGGATTGAAGAGTTCCAGAGCACACCAGGTGACATTGTAATAACCCTTACCCTAAATCAG
 GTACTACTTGGCTTAGTGAGATTGTAGACATGGTTCTAAATGATGGAAATGTTGAAAAATGTAAGAGAGA
 TGTATCACCTCCAAAGTTCCAATGTTGGAAGTGAAGTCTCTGGAATAAGAATATCAGGTGTTGAACTC
 TTGAAGAAAACCTCCATCACCTCGGATAATAAGACACATCTTCCAATCGATCTACTCCCAAAATCCTTCT
 GGGAGAACAAGTGAAGATGATTTACCTTGCTCGAAATGGCAAGGATGTTGCTGTCTCCTATTATCATT
 TGATCTGATGAATAGTATTAATCCTCTTCTGGCACCTGGGAAGAATATCTGGAGAAATTCCTAGCTGGA
 AATGTGGCCTATGGTTCATGGTTTATGATCATGTTAAGAGTTGGTGGGAAAAGAGGGAAGAGCATCCTTTAC
 TTTACTTATACTATGAAGAATTGAAACAGAACCCAAAGAAAGAAATCAAGAAGATAGCCAGCTTTCTAGA
 CAAGACCTTGGATGAAGAGGCCTTGGACAGGATCGTCCATCACACCTCCTTTGAAATGATGAAGGAAAAC
 CCCCTGGTCAATTACACCCATCTGCCCACAGCAATGATGGACCACAGCAAGTCCCCTTTCATGAGAAAAG
 GTATTGTTGGGGACTGGAAAAATTACTTCACAATGACCCAAACTGAGCAATTTGATGCTGTCTATAAGAA
 GAAGATGTCTGGAACAACACTTGAGTTCTGCACAGACATTCAGAGTGCCTAATCTACAACCTGAATATAT
 GGTTTCTAAAATAGTAACCTGGAAGAGAAAATCAAATAGATTCATGAAGGAAAAATAAATGTGCTTTAAA
 AATGCTAATTGAAAACATACTACACATTCACAGCAGGTAATCTTCCAAATGATCTAGAGCCAAGGCTTT
 TTGTTACCTTAGTTTTCAAAGGATATGTCTTCAGATTTCTAGATTTCTACTGAGTTGAATAAATACATTT
 TGTGACTTTTGAIAAAAAAAAAAAAAAAAAAAAAA

Restriction Sites: RsrII-NotI
ACCN: NM_019878
Insert Size: 900 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:	BC024361 , AAH24361
RefSeq Size:	1223 bp
RefSeq ORF:	900 bp
Locus ID:	56362
UniProt ID:	Q9QWG7
Cytogenetics:	5 E1
Gene Summary:	<p>Sulfotransferase that utilizes 3'-phospho-5'-adenylyl sulfate (PAPS) as sulfonate donor to catalyze the sulfate conjugation of many hormones, neurotransmitters, drugs and xenobiotic compounds. Sulfonation increases the water solubility of most compounds, and therefore their renal excretion, but it can also result in bioactivation to form active metabolites. Sulfates L-DOPA and D-DOPA, tyrosine isomers such as DL-m-tyrosine, dopamine and thyroid hormones.[UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (2) differs in the 5' UTR compared to variant 1. Variants 1 and 2 both encode the same protein. Sequence Note: The RefSeq transcript and protein were derived from genomic sequence to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on alignments.</p>