

## Product datasheet for **MC201834**

### 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  
 TGTATCACCTCCAAGTTCCAATGTTGGAAGTGAAGTCTCTGGAATAAGAATATCAGGTGTTGAACTC  
 TTGAAGAAAACCTCCATCACCTCGGATAATAAGACACATCTTCCAATCGATCTACTCCCAAAATCCTTCT  
 GGGAGAACAAGTGAAGATGATTTACCTTGCTCGAAATGGCAAGGATGTTGCTGTCTCTATTATCATT  
 TGATCTGATGAATAGTATTAATCCTCTTCTGGCACCTGGGAAGAATATCTGGAGAAATCTTAGCTGGA  
 AATGTGGCCTATGGTTCATGGTTTATGATCATGTTAAGAGTTGGTGGGAAAAGAGGGAAGAGCATCCTTAC  
 TTTACTTATACTATGAAGAATTGAAACAGAACCCAAAGAAAGAAATCAAGAAGATAGCCAGCTTTCTAGA  
 CAAGACCTTGGATGAAGAGGCCTTGGACAGGATCGTCCATCACACCTCCTTTGAAATGATGAAGGAAAAC  
 CCCCTGGTCAATTACACCCATCTGCCCACAGCAATGATGGACCACAGCAAGTCCCCTTTCATGAGAAAAG  
 GTATTGTTGGGGACTGGAAAAATTACTTCACAATGACCCAAACTGAGCAATTTGATGCTGTCTATAAGAA  
 GAAGATGTCTGGAACAACACTTGAGTTCTGCACAGACATTCAGAGTGCCTAATCTACAACCTGAATATAT  
 GGTTTCTAAAATAGTAACCTGGAAGAGAAAATCAAATAGATTCATGAAGGAAAAATAAATGTGCTTTAAA  
 AATGCTAATTGAAAACATACTACACATTCACAGCAGGTAATCTTCCAAATGATCTAGAGCCAAGGTCTT  
 TTGTTACCTTAGTTTTCAAAGGATATGTCTTCAGATTTCTAGATTTCTACTGAGTTGAATAAATACATTT  
 TGTGACTTTTGAIAAAAAAAAAAAAAAAAAAAAAA

|                    |            |
|--------------------|------------|
| Restriction Sites: | RsrII-NotI |
| ACCN:              | NM_019878  |
| Insert Size:       | 900 bp     |



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|                               |   |
|-------------------------------|---|
| <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).  |
| <b>Reconstitution Method:</b> | <ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>   |
| <b>RefSeq:</b>                | <a href="#">BC024361</a> , <a href="#">AAH24361</a>   |
| <b>RefSeq Size:</b>           | 1223 bp   |
| <b>RefSeq ORF:</b>            | 900 bp  |
| <b>Locus ID:</b>              | 56362   |
| <b>UniProt ID:</b>            | <a href="#">Q9QWG7</a>  |
| <b>Cytogenetics:</b>          | 5 E1  |
| <b>Gene Summary:</b>          | <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> |