

Product datasheet for **MC200904**

Sult2b1 (NM_017465) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Sult2b1 (NM_017465) Mouse Untagged Clone
Tag: Tag Free
Symbol: Sult2b1
Synonyms: AI326997; BB173635; ST2B1; SULT2B
Mammalian Cell Selection: Neomycin
Vector: PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection: Kanamycin (25 ug/mL)

Fully Sequenced ORF: >BC009811 sequence for NM_017465
 CCACGCGTCCGGCTTCCCGCTCCCTCCCCCGCCTGCCCTGCGCTGCCAGCAGGGACTGCTGCCGGGAGCC
 CATCGGAGACCGCAGGTGGTGAATTCCCGGGATATCGTCGACCCACGCGTCCGCTACCTCTGCCCTGCC
 CGCCATGGACGGGCCGACGCCCGCCCTGTGGAGCTCGTCTGAGAAAAATGTTTCCGAAATGAGCTGG
 AATTTTGGAGGTGAATACTTCAGATACAAAGGTATCCCTTTTCTGTGCGCATGTACTACCGGAGAGCC
 TCAGTCTGGCTGAGAACACTAGCAACGTGCGGGACGACGACATCTTCATTGTCACCTACCCCAAATCAGG
 TACCAACTGGATGATTGAGATCGTCTGCTTAATCCTGAAAGATGGGGATCCCTCGTGGATCCGATCGGAG
 CCCATCTGGCAACGTGCGCCCTGGTGGGAGACCATATAAGCGCCTTCAATGTCTTAGACCGGCCAGCC
 CCCGATTATGAGCTCTCACCTCCCTATTGAACCTTTCACGAAGGCATTCTTCAGCTCCAAGGCTAAGGT
 GATTTACGTGGCCGGAACCCCGCATGTCGTGGTCTCCCTCTATTATTATTCTAAGATTGCTGGGCAA
 TTAAGGACCCTGGTACACCCGACAGTTCCTTCAAATTTCTCAAAGGAGAAGTGCAGTTTGGCTCCT
 GGTTTGACCACATCAAGGCTGGATCCGGATGCAGAACCAAGAGAACTTCTGTTTATCACCTATGAGGA
 GCTGCAGCAGGACCTGCGAGGCTCCGTGCAACGCATCTGTGAGTTCTGGCCGGCCACTGGGTGAAGAG
 GCCCTGAGCTCTGTGGTGGCCCACTCAGCCTTTGCTGCCATGAAGGCCAATACCATGTCCAACTACTCGC
 TGCTGCCGGCCAGCCTGCTGGACCACCGCCAGGGGGAGTTCTGCGCAAAGGGATCAGTGGCGACTGGAA
 GAACCACTTCACTGTGGCCAGAGTGAGGCTTTGACAGTGTTTACCGAGAGCAAATGCACGGGGTGCAG
 AGGTTCCCTGGGACACGTCTGAAGAGGATAGCAGCCCTGATGGCCAGCCTGACCCTGAGCCAGCCCCA
 GCCAGCTTCTGATGACCCCAACCCAGGATCCTCACAATAAACTTACTCCTCAAAAAAAAAAAAAAAAAAAAAA AAAAAAAAAAAAAAAAAAAAAA

Restriction Sites: RsrII-NotI
ACCN: NM_017465
Insert Size: 1017 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>BC009811</u> , <u>AAH09811</u>
RefSeq Size:	1206 bp
RefSeq ORF:	1017 bp
Locus ID:	54200
UniProt ID:	<u>O35400</u>
Cytogenetics:	7 B3
Gene Summary:	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 hydroxysteroids such as dehydroepiandrosterone. Isoform 1 is required for production of cholesterol sulfate essential for normal skin development whereas isoform 2 produces pregnenolone sulfate, an essential neurosteroid during development of the central nervous system. Plays a role in epidermal cholesterol metabolism and in the regulation of epidermal proliferation and differentiation.[UniProtKB/Swiss-Prot Function]