

Product datasheet for **MC206424**

Sult1d1 (BC066190) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Sult1d1 (BC066190) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Sult1d1
Synonyms:	SULT-N, ST1d1
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >BC066190
 GCCTTAGGGAATGAACATTGTTTCATCATTTCTTAAGCTTACCACAACCTAATTTCTTTCTCACATTACG
 TTGTGAGCTACCCAGGGACATCATCCTTTTAAAGACTTTTCGGTTCTGATTCTTCATCTGAGAAAACCTCA
 TTAAAGCTCCGAGAATTTAAAGTCTCCCAATGGATAACAACTGGATGTCTTCAGGAGGGAGTTAGT
 GGATGTTGAAGGTATCCCTCTCTTTGGAGCATTGCTGAGCATTGGTCCCAAGTAGAGTCATTTGAAGCC
 CGGCCTGATGACATTTTGATCTCCACATATCCCAATCTGGAACAACCTGGGTCAGTGAAATACTGGATT
 TGATCTACAACAATGGGGATGCAGAGAAATGTAAAGGGATGCAATCTACAAACGAGTACCATTCTGGA
 GCTTATAATTCCTGGGATAACAAATGGAGTTGAAATGCTGAACAACATGCCGTCTCCTCGAATAGTGAAA
 ACACACCTTCCTGTTTCAGCTGCTTCCTTCTCATTCTGGAATAATGACTGCAAGATTATTTATGTGGCAC
 GGAATGCCAAAGATGTGGTTGTTTCTTACTATTATTTCTATCAAATGGCAAAAATCCACCAGAGCCTGG
 CACCTGGGAAGAGTTCCTAGAGAAATTCATGGCTGGACAAGTGAGCTTTGGTCCCTGGTATGATCATGTG
 AAGAGCTGGTGGGAAAAAGAAAAGAATATCGGATCCTTTACCTGTTTTATGAAGATATGAAGAAAAATC
 CAAAGTGTAATTTCAAAAAATATTAAGTTTCTAGAAAAGGACATACCAGAAGAAATTTTAAATAAAAT
 ACTCTACCATAGCTCTTTCAGTGAATGAAGGGGAATCCTAGTGCAAATTACACTACTATGATGAAAGAA
 GAGATGGACCACTCTGTGTCTCCTTTTCATGAGAAAGGGAATTTTCAGGCGATTGGAAGAATCAGTTCACTG
 TAGCCCACTATGAGAAATTTGAAGAAGATTATGTCAAGAAAATGGAAGATTCAACACTGAAGTTTAGATC
 AGAGATCTAGGGAGAGTTGGTTTCTTCTCAGTCTCTTTTGTGAGGCACTAACATTAGAGAAAAAGCACAT
 TCATGGTTCAGTCAAAGAAAATGTTGTATATTATTTTCTATACTTACTAAAACTCTTGGTCTTGAAATG
 TACAGATATCAGGTAATAATTCCTTCTAATTATCTTCTTACAGAAAGGTTTCATATAGTAGTTTCCCTT
 TTACTTTATGCTATCAAATAATACAATTTTAAAGGGCTTTATAACACAGTATATTTTATGTTTATGTTT
 CTAATAGCTTCTGTCTGAAATAGTCTCAGTGGCTCCTAGAGGAAGATTACATTTTCAATTAATTAATTC
 ACTTCATCTGTGGTGATTTTGCATTTTAAATATTATGTTGTTAACATTGCCAAATTTTAGATTTCATT
 ATGTCAGAATATCCTGTTTTCTTTAAACCTTATTTAGAAATATTAATTTTAAATGAAAAATCAATAAA
 ACCCATTTTATAGATTTTAAATTAAGAAAATAGAGATCTAATTATTTTATCCTTCATTTCTATATTGAA
 GCTATTGTGAAATTTATTACAGAAAATGTTGAGGCTTATTCAAAATACTCCAAATTTATTATTCTATTGTC
 TATTTTATGTCCACTTAGGATCACTTTTTAAAGGAAAACCTGTACAATAAACTAATTTCCATAATCTCT
 CTTCTTTTTTTTTTTTTTATTGGGTTTTGGATCACACCAGGGTCATTTTCATCCTCCTGAAATTAATCAT
 TCCTGAGTGAGATAAATACTCATTTTGAACATATCACGAAATATGAATTCAAATCCCTTTACATTGACT
 TCAGGAACTAATGTTTAGTGAATAATGAAAACCTAAAAATAAATGAATAAAGTACTGTATGATTACATTC
 AATGTATAACATTCCTTGACATGAGAAAATGTTGAAGTGGACAGCTAGTTAATGGTAACATAATTTAATG
 AAGAACTTTAAAGGACATGATAGGAGTACAGAACAGCAACCTGGGCAATATTGCTGTAGAACAAAGTAGT
 CTGTAATATATTAATATTCTGGCATTAAATAAATGTTATAGGCTTACCAGATGTTACTACTGGAGAAAAT
 GTGCTAAAATTATAATTTCTGACCATTTTCATGCTGATTGTCTCAAATTTTACCATTATGTTTAATGAATG
 TCTTACTATTTTAAATTTTCTAAAGCCAAGGTAATTTTAAGTAACAACACCAGTAATGACTGTCTAA
 AATAAACATCCTTAAATAAATTCACAATGAATTAATAAAAAAAAAAAAAAAAAA

Restriction Sites: RsrII-NotI

ACCN: BC066190

Insert Size: 888 bp

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:

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.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: [BC066190](#), [AAH66190](#)

RefSeq Size: 2364 bp

RefSeq ORF: 888 bp

Locus ID: 53315

Cytogenetics: 5 E1

Gene Summary: Sulfotransferase with broad substrate specificity that utilizes 3'-phospho-5'-adenylyl sulfate (PAPS) as sulfonate donor to catalyze the sulfate conjugation of catecholamines, such as dopamine, prostaglandins, leukotriene E4, drugs and xenobiotic compounds. Has sulfotransferase activity towards p-nitrophenol, 2-naphthylamine and minoxidil (in vitro). Sulfonation increases the water solubility of most compounds, and therefore their renal excretion, but it can also result in bioactivation to form active metabolites.[UniProtKB/Swiss-Prot Function]