

## Product datasheet for MC215621

### Sult2a2 (NM\_009286) Mouse Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Sult2a2 (NM_009286) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Sult2a2
Synonyms:	C730007P19Rik; mSTa2; ST; ST2A2; Sth2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>MC215621 representing NM_009286 Red=Cloning site Blue=ORF Orange=Stop codon

TTTGTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGC**C

ATGATGTCAGACTATAATTGGTTTGAAGGCATACCTTTCTGCCATATCATATCAAAGAGAAATTTGG  
 AAGATATTCGTAATAAGTTTGTGGTGAAAGAAGAAGACTTGTGATTAACCTTACCCCAAGTCAGGAAC  
 GAACTGGCTGAATGAGATTGTATGCTTGATTGACACCAAGGGAGATCCGAAGTGGATCCAACTGTGCC  
 ATTTGGGACCGCTCACCTGGATAGAGACTGAAATAGGATATCCTGCAATAATCAATAAGGAAGGACCAC  
 GACTCATAACCTCCCATCTTCCATCCATCTTCTCCAAGTCTTCTTCAGTTCCAAGGCAAGGCGAT  
 CTATCTCATGAGAAATCCGAGAGATATTCTGTGTCTGGTTACTTTTCTGGGGTAACACAAACCTTGTG  
 AAGAATCCAGGGTCACTCGGAACCTATTTTGAATGGTTCTCCAAGGAAATGGTACAACCTGGGGACTGGA  
 AGAATCACTTCACAGTAGCCCAAGCTGAAGCCTTCGATAAAGTTTCCAGGAGAAAATGGCCGATTCCC  
 CCCAGGGATGTTCCCATGGGA**TAA**

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:	Sgfl-MluI
ACCN:	NM_009286
Insert Size:	585 bp


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<b>OTI Disclaimer:</b>	<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 <a href="mailto:custsupport@origene.com">custsupport@origene.com</a> 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. <a href="#">More info</a></p>
<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>Note:</b>	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
<b>RefSeq:</b>	<a href="#">NM_009286.2</a> , <a href="#">NP_033312.2</a>
<b>RefSeq Size:</b>	741 bp
<b>RefSeq ORF:</b>	585 bp
<b>Locus ID:</b>	100043194
<b>Cytogenetics:</b>	7 A1
<b>Gene Summary:</b>	This is one of seven sulfotransferase family 2A genes in a chromosome 7 A1 cluster. [provided by RefSeq, May 2010]