

## Product datasheet for **SC301365**

### SULT1C3 (NM\_001008743) Human Untagged Clone

#### Product data:

|                           |  |
|---------------------------|--|
| Product Type:             | Expression Plasmids  |
| Product Name:             | SULT1C3 (NM_001008743) Human Untagged Clone  |
| Tag:                      | Tag Free   |
| Symbol:                   | SULT1C3  |
| Synonyms:                 | ST1C3  |
| Mammalian Cell Selection: | Neomycin   |
| Vector:                   | pCMV6-Entry (PS100001)   |
| E. coli Selection:        | Kanamycin (25 ug/mL)   |
| Fully Sequenced ORF:      | >SC301365 representing NM_001008743.<br>Blue=Insert sequence Red=Cloning site Green=Tag(s) |

GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTG  
 GATCCGGTACCGAGGAGATCTGCCGCC**CGATCGCC**  
 ATGGCGAAGATTGAGAAAAACGCTCCACGATGGAAAAAGCCAGAAGTGTAAACATCATGGAAGTA  
 GATGGAGTCCCTACGTTGATATTATCAAAAGAATGGTGGGAAAAAGTATGTAATTTCCAAGCCAAGCCT  
 GATGATCTTATTCTGGCAACTTACCCAAAGTCAGGTACAACATGGATGCATGAAATTTTAGACATGATT  
 CTAATGATGGTATGTGGAGAAATGCAAAGAGCCAGACTCTAGATAGACACGCTTTCCTTGAAGT  
 AAATTTCCCATAAAGAAAAACCAGATTTGGAGTTCGTTCTTGAAATGTCCTCACCACAAGTATAAAA  
 ACACATCTCCCTTCACATCTGATTCCACCATCTATCTGGAAAGAAAAGTCAAGATTGTCTATGTGGCC  
 AGAAATCCAAGGATTGCCTGGTGTCTACTACCACTTTACAGGATGGCTTCCTTTATGCCTGATCCT  
 CAGAACTTAGAGGAATTTATGAGAAATTCATGTCCGAAAAAGTTGTTGGCGGGTCTGGTTTGACCAT  
 GTGAAAGGATGGTGGGCTGCAAAGACATGCACCGGATCCTCTACCTCTTCTACGAGGATATTAAGAA  
 GACCCAAAGCGGGAATTTGAGAAGATACTGAAGTTCCTGGAAAAAGACATATCAGAGGAAATTTGAAT  
 AAAATCATCTATCACACCTCCTTTGATGTAATGAAGCAAAACCAATGACCAACTATACCACTTTGCC  
 ACCAGCATTATGGACCACTCCATCTCCCTTTTATGAGGAAAGGGATGCCTGGAGACTGGAAGAACTAT  
 TTTACTGTGGCCCAAAATGAAGAATTTGACAAGGACTACCAGAAGAAGATGGCAGGAAGCACCTAACC  
 TTCCGCACAGAGATC**TGA**  
**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGAT  
 TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC

|                    |              |
|--------------------|--------------|
| Restriction Sites: | SgfI-MluI    |
| ACCN:              | NM_001008743 |
| Insert Size:       | 915 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>OTI Annotation:</b>        | This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.  |
| <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>                | <u><a href="#">NM_001008743.2</a></u>   |
| <b>RefSeq Size:</b>           | 1014 bp   |
| <b>RefSeq ORF:</b>            | 915 bp  |
| <b>Locus ID:</b>              | 442038  |
| <b>UniProt ID:</b>            | <u><a href="#">Q6IMI6</a></u>   |
| <b>Cytogenetics:</b>          | 2q12.3  |
| <b>MW:</b>                    | 35.9 kDa  |
| <b>Gene Summary:</b>          | <p>Sulfotransferase that utilizes 3'-phospho-5'-adenylyl sulfate (PAPS) as sulfonate donor and has low sulphotransferase activity towards various substrates with alcohol groups (in vitro). May catalyze the sulfate conjugation of xenobiotic compounds and endogenous substrates. [UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (2) differs in the 3' UTR and coding sequence compared to variant 1. The resulting isoform (2) has a distinct C-terminus but is the same length as isoform 1. 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> |