

Product datasheet for **SC312868**

SULT1C4 (NM_006588) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SULT1C4 (NM_006588) Human Untagged Clone
Tag:	Tag Free
Symbol:	SULT1C4
Synonyms:	SULT1C; SULT1C2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC312868 representing NM_006588. Blue=Insert sequence Red=Cloning site Green=Tag(s)

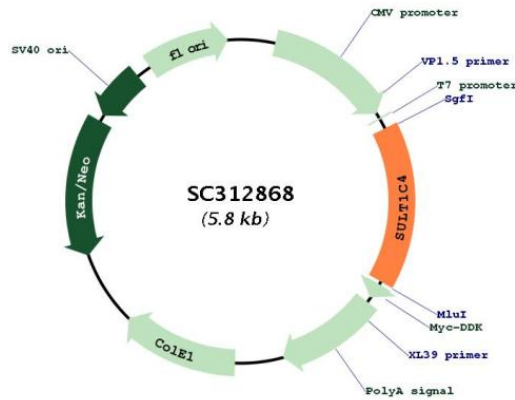
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GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
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GGAATTCTTCAACCGACAGACACCTGTGACATCTGGGATAAGATCTGGAACCTCCAAGCCAAGCCTGAT
GACCTGCTTATTCTACCTATCCTAAAGCAGGAACAACATGGACTCAGGAGATAGTGAATTAATACAA
AATGAAGGTGATGTGGAGAAAAGTAAACGGGCACCGACTCATCAACGATTCCTTCTCGAAATGAAA
ATCCCATCCTTAGGATCTGGTTTGAACAAGCTCATGCAATGCCCTCACCAGGATCCTGAAAACACAT
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CCCAAGGACAACATGGTGTCTATTACCATTTCCAAGAATGAATAAAGCTTCTCCTGCTCCAGGAACA
TGGGAAGAGTATTTTGAGACTTTTCTGGCTGGGAAAGTGTGCTGGGGCTCCTGGCATGAACATGTGAAA
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AAGCATGAAATTCAGAAGCTGGCAGAAATTTATTGGGAAGAAATAGATGACAAAGTTCTAGATAAAAT
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TTCCAGTTCAG
ACGCGTACGCGCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
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Restriction Sites: SgfI-MluI



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Plasmid Map:



ACCN: NM_006588

Insert Size: 909 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).

OTI Annotation: 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.

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.

RefSeq: [NM_006588.3](#)

RefSeq Size: 2874 bp

RefSeq ORF: 909 bp

Locus ID:	27233
UniProt ID:	O75897
Cytogenetics:	2q12.3
Domains:	Sulfotransfer
MW:	35.5 kDa
Gene Summary:	<p>Sulfotransferase enzymes catalyze the sulfate conjugation of many hormones, neurotransmitters, drugs, and xenobiotic compounds. These cytosolic enzymes are different in their tissue distributions and substrate specificities. The gene structure (number and length of exons) is similar among family members. This gene encodes a protein that belongs to the SULT1 subfamily, responsible for transferring a sulfo moiety from PAPS to phenol-containing compounds. [provided by RefSeq, Jul 2008]</p>