

Product datasheet for **SC303280**

SULT2A1 (NM_003167) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SULT2A1 (NM_003167) Human Untagged Clone
Tag:	Tag Free
Symbol:	SULT2A1
Synonyms:	DHEA-ST; DHEA-ST8; DHEAS; HST; hSTa; ST2; ST2A1; ST2A3; STD; SULT2A3
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)

Fully Sequenced ORF: >OriGene ORF sequence for NM_003167 edited
ATGTCGGACGATTTCTTATGGTTTGAAGGCATAGCTTCCCTACTATGGGTTTCAGATCC
GAAACCTTAAGAAAAGTACGTGATGAGTTCGTGATAAGGGATGAAGATGTAATAATATTG
ACTTACCCCAAATCAGGAACAACTGGTTGGCTGAGATTCTGCCTGATGCACTCCAAG
GGGGATGCCAAGTGGATCCAATCTGTGCCCATCTGGGAGCGATCACCTGGGTAGAGAGT
GAGATTGGGTATACAGCACTCAGTGAAACGGAGAGTCCACGTTTATTCTCCTCCACCTC
CCCATCCAGTTATTCCCAAGTCTTTCTCAGTTCCAAGCCAAGGTGATTTATCTCATG
AGAAATCCAGAGATGTTTTGGTGTCTGGTTATTTTTCTGGAAAAACATGAAGTTTATT
AAGAAACCAAAGTCATGGGAAGAATATTTGAATGGTTTTGTCAAGGAAGTGTGCTATAT
GGGTCATGGTTTGACCACATTCATGGCTGGATGCCATGAGAGAGGAGAAAACTCCTG
TTACTGAGTTATGAGGAGCTGAAACAGGACACAGGAAGAACCATAGAGAAGATCTGTCAA
TTCTGGGAAAGACGTTAGAACCCGAAGAACTGAACCTAATTCTCAAGAACAGCTCCTTT
CAGAGCATGAAAGAAAACAAGATGTCCAATTATCCCTCCTGAGTGTGATTATGTAGTG
GACAAAGCACAACCTTCTGAGAAAAGGTGTATCTGGGGACTGGAAAAATCACTTCACAGTG
GCCCAAGCTGAAGACTTTGATAAATTGTTCCAAGAGAAGATGGCAGATCTTCTCGAGAG
CTGTTCCCATGGGAATAA

Restriction Sites:	Please inquire
ACCN:	NM_003167
Insert Size:	1000 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).



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OTI Annotation:	The open reading frame of this clone has been fully sequenced and found to be a perfect match to the protein associated with this reference, NM_003167.2.
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>NM_003167.2</u> , <u>NP_003158.2</u>
RefSeq Size:	1779 bp
RefSeq ORF:	858 bp
Locus ID:	6822
UniProt ID:	<u>Q06520</u>
Cytogenetics:	19q13.33
Gene Summary:	This gene encodes a member of the sulfotransferase family. Sulfotransferases aid in the metabolism of drugs and endogenous compounds by converting these substances into more hydrophilic water-soluble sulfate conjugates that can be easily excreted. This protein catalyzes the sulfation of steroids and bile acids in the liver and adrenal glands, and may have a role in the inherited adrenal androgen excess in women with polycystic ovary syndrome. [provided by RefSeq, Mar 2010]