

Product datasheet for SC122255

SULT2A1 (BC020755) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SULT2A1 (BC020755) Human Untagged Clone
Tag:	Tag Free
Symbol:	SULT2A1
Synonyms:	alcohol/hydroxysteroid sulfotransferase; alcohol sulfotransferase; dehydroepiandrosterone sulfotransferase; DHEA-ST; DHEAS; HST; hSTa; hydroxysteroid sulfotransferase; ST2; ST2A3; STD; sulfotransferase family 2A, dehydroepiandrosterone (DHEA)-preferring
Mammalian Cell Selection:	Neomycin
Vector:	<u>PCMV6-Neo</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene sequence for BC020755 edited

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AGCCTCCAGCGGTGGCTACAGTTGAACCCTCACACCACGCAGGAAGAGGTCATCATCATG
TCGGACGATTTCTTATGGTTTGAAGGCATAGCTTTCCTACTATGGGTTTCAGATCCGAA
ACCTTAAGAAAAGTACGTGATGAGTTCGTGATAAGGGATGAAGATGTAATAATATTGACT
TACCCCAAATCAGGAACAACTGGTTGGCTGAGATTCTCTGCCTGATGCACTCCAAGGGG
GATGCCAAGTGGATCCAATCTGTGCCATCTGGGAGCGATCACCTGGGTAGAGAGTGAG
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ATCCAGTTATTCCCAAGTCTTTCTTCAGTTCCAAGGCCAAGGTATTTATCTCATGAGA
AATCCCAGAGATGTTTTGGTGTCTGGTTATTTTTCTGGAAAAACATGAAGTTTATTAAG
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CTGAGTTATGAGGAGCTGAAACAGGACACAGGAAGAACCATAGAGAAGATCTGTCAATTC
CTGGGAAAGACGTTAGAACCCGAAGAACTGAACTTAATTCTCAAGAACAGCTCCTTTCAG
AGCATGAAAGAAAACAAGATGTCCAATTATTCCTCCTGAGTGTGATTATGTAGTGGAC
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CAAGCTGAAGACTTTGATAAATTGTTCCAAGAGAAGATGGCAGATCTTCTCGAGAGCTG
TTCCCATGGGAATAACGTCCAAAACACTCTGGATCTTATATGGAGAATGCATTGATTCT
CCTGTCCTGTACATGTACCTGACTGGGGTCATTGTGTAAGACTTATTATTTTATCCTGA
AACCTTAAATATCAAACCTCTGCCAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA

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5' Read Nucleotide Sequence: >OriGene 5' read for BC020755 unedited
 NNNNCCTGGCCGCTTTTGTATACGACTCATATAGGCGGCACGCGATTTCGGCCATTACGGC
 CGGGGAGCCTCCAGCGGTGGCTACAGTGTGAACCCTCACACCACGAGGAAGAGGTCATC
 ATCATGTCGGACGATTTCTTATGGTTTGAAGGCATAGCTTTCCCTACTATGGGTTTCAGA
 TCCGAAACCTTAAGAAAAGTACGTGATGAGTTCGTGATAAGGGATGAAGATGTAATAATA
 TTGACTTACCCCAAATCAGGAACAACTGGTTGGCTGAGATTCTCTGCCTGATGCACTCC
 AAGGGGATGCCAAGTGGATCCAATCTGTGCCATCTGGGAGCGATCACCCCTGGGTAGAG
 AGTGAGATTGGGTATACAGCACTCAGTGAAACGGAGAGTCCACGTTTATTCTCCTCCCAC
 CTCCCCATCCAGTTATCCCAAGTCTTTCTTCAGTTCCAAGGCCAAGGTGATTTATCTC
 ATGAGAAATCCCAGAGATGTTTTGGTGTCTGGTTATTTTTTCTGGAAAAACATGAAGTTT
 ATTAAGAAACCAAGTCAATGGAAGAATATTTGAATGGTTTTGTCAAGGAACTGTGCTA
 TATGGGTGATGGTTTGACCACATTCATGGCTGGATGCCCATGAGAGAGGAGAAAACTTC
 CTGTTACTGAGTTATGAGGAGCTGAAACAGGACACAGGAAGAACCATAGAGAAGATCTGT
 CAATTCCTGGNGAAGACGTTAGAACCCGAAGACTGAACTTATTCTCAAGACAGCTNCTTT
 CAGAGCATGAAAGAAACAAGATGTCCAATTATTCTCCTGAGTGTGATTATGTAGTGA
 CAAGCACACTTCTGAGAAAAGTGTATCTGGGG

3' Read Nucleotide Sequence: >OriGene 3' read for BC020755 unedited
 AGNAAAGCACTGGGGNAGGGTCACAGGGATGCCACCCGGGTTCTGTTTCAGGAAACAGCTA
 TGACCGCGGCCGCAATCTAGAGTCGAGGAAGATCTGCCATCTTCTCTTGGAACAATTTAT
 CAAAGTCTTCAGCTTGGGCCACTGTGAAGTGATTTTTCCAGTCCCAGATACACCTTTTC
 TCAGAAGTTGTCTTTGTCCACTACATAATCAACTCAGGAGGGAATAATTGGACATCT
 TGTTTTCTTTCATGCTCTGAAAGGAGCTGTTCTTGAGAATTAAGTTCAGTCTTCGGGTT
 CTAACGCTTTCCAGGAATTGACAGATCTTCTCTATGGTTCTTCTGTGTCCTGTTTCA
 GCTCCTCATAAAGTCAAGTAAACAGGAAGTTTTTCTCCTCTCATGGGCATCCAGCCATGAA
 TGTGGTCAAACCATGACCCATATAGCACAGTTCCTTGACAAAACCATTAAAAATATTCTT
 CCCATGACTTTGGTTTCTTAATAAACTTCATGTTTTTCCAGAAAAATAACCAGACACCA
 AAACATCTCTGGGATTTCTCATGAGATAAATCACCTTGGCCTTGGAACTGAAGAAAGACT
 TGGGGAATACTGATGGGGAGTGGGAAGAGAAAAATAAACTTGAACCTCCTCCGTTTCAC
 TGAGTGTGTATACCAATCTCACTCTCTACCCAGGGTATCGCTCCAGATGGGCACAG
 ATTGGATCCACTTGGCATCCCCCTTGGAGTGCATCANGCAGAGAATCTCAGCCAACCAG
 TTTGTTCTGATTTGGGGTAAGTCAATATTATTACATCTTCTCCCTTATCACGAACTC
 ATCACGACTTTTCTTTAAGGTT

Restriction Sites: Please inquire

ACCN: BC020755

Insert Size: 1071 bp

OTI Disclaimer:	<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 custsupport@origene.com 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. More info</p>
Components:	<p>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).</p>
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:	<p>BC020755.1, AAH20755.1</p>
RefSeq Size:	<p>1071 bp</p>
Locus ID:	<p>6822</p>
Cytogenetics:	<p>19q13.33</p>
Gene Summary:	<p>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]</p>