

## Product datasheet for **SC122715**

### Estrogen Sulfotransferase (SULT1E1) (NM\_005420) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Estrogen Sulfotransferase (SULT1E1) (NM_005420) Human Untagged Clone
Tag:	Tag Free
Symbol:	Estrogen Sulfotransferase
Synonyms:	EST; EST-1; ST1E1; STE
Mammalian Cell Selection:	None
Vector:	<u><a href="#">pCMV6-XL5</a></u>
E. coli Selection:	Ampicillin (100 ug/mL)



[View online »](#)

**Fully Sequenced ORF:** >OriGene sequence for NM\_005420 edited  
 CAAATGCAGAAGTGGTTCTCATCTTTTTTGCAGCTTAAGATCTGCCTTAGTATTTGAAG  
 AGATATAAACTAGATCAATTTCTTTACAGGATCAACTAAACAGTGTACCACAATGAATT  
 CTGAACTTGACTATTATGAAAAGTTTGAAGAAGTCCATGGGATTCTAATGTATAAAGATT  
 TTGTCAAATATTGGGATAATGTGGAAGCGTTCAGGCAAGACCAGATGATCTTGTATTG  
 CCACCTACCCTAAATCTGGTACAACCTGGGTAGTGAAATTGTGTATATGATCTATAAAG  
 AGGGTGTGTGGAAAAGTGCAAAGAAGATGTAATTTTTAATCGAATACCTTTCTCGGAAT  
 GCAGAAAAGAAAACCTCATGAATGGAGTAAAACAATTAGATGAGATGAATTCTCCTAGAA  
 TTGTGAAGACTCATTGGCCACCTGAACCTCTTCTGCCTCATTGGGAAAAGGATTGTA  
 AGATAATCTATCTTTGCCGGAATGCAAAGGATGTGGCTGTTTCTTTTATTATTTCTTTT  
 TAATGGTGGCTGGTATCCAAATCCTGGATCCCTCCAGAGTTTGTGGAGAAATTCATGC  
 AAGGACAGGTTTCTTATGGTTCCTGGTATAAACATGTAATCTTGGTGGGAAAAGGGAA  
 AGAGTCCACGTACTATTTCTTTCTACGAAGACCTGAAAGAGGATATCAGAAAAGAGG  
 TGATAAAATTGATACATTTCTGGAAAAGGAAGCCATCAGAGGAGCTTGTGGACAGGATTA  
 TACATCATACTTGGTCCAAGAGATGAAGAACAATCCATCCACAATTACACAACACTGC  
 CAGACGAAATTGAACCCAGAAATGTCCGCCCTCATGAGAAAAGGGAATTACAGGAGACT  
 GGAAAAATCACTTTACAGTAGCCCTGAATGAAAAATTTGATAAACATTATGAGCAGCAAA  
 TGAAGGAATCTACACTGAAGTTTCTGAACTGAGATCTAAGAAGGTCTTCTTTACTTAACA  
 TATCTGATATTAAGATTTCTTTTCTTATTCTCCACTTTTTCTTATTTTAGATTGCTAG  
 AAAAGACATAATCATGGATTATGTTGACATTTCTTTTAAATTTTTGTTAACTTTTTT  
 TTTTTTTTTTGGAGACAGAGTCACTCTGTTGCCTAGGCTGGAGGACAGTGGCACAAT  
 CATGGCTGATTGCAGCCTTGACCTCCTGACTCAATTGATCCTCCATCTCAGCCTCCCA  
 AGTAGCTAGGACTACAGACATGTGCAACCATGTTGGCTAATTTTTTAAATGTTTTTTT  
 TAGAGATGAGGTCTTATTATATTGTCCAGGCTGGTCTTGAATTCCTGGGCTCAAGCTTCC  
 CAAGTAGCTGCAACAACAGGCACACACCACCATGCTCAACTAATTTTTATTCTATTTTTT  
 GTATAGACAGGGCTTGCTATAGTGTCCAGGCTGGTCTGAAACCCTTGAGCTCAAGTGAT  
 CTTCCACACCAGCCTCCAAAATACTGGGATTACAGGCTTGAGCCTCCATGCCTGGCCC  
 AGGTAACATGTTTATTGAGCTGTACATGCATATGAGAAAATAAGAACTTTTTTTCTAC  
 TATCATCTCTAAATTTGTTTTCTTTTCTTTTCTTCTCTCTTTCTTTCTATTTTTT  
 TATAAATATCATGCACAATAACCTATGGGAATGATGTAGTAACACAGATTATTCATC  
 TTGTTAGAGTTGATTAATAAATAACAAGCATTTCAAATTAATAAAAAAAAAAAAAAAAAA  
 AAAAAA

**5' Read Nucleotide Sequence:** >OriGene 5' read for NM\_005420 unedited  
 CAGTATTTTGTAAACGAACTACTATAGGGCGCCGCGATTCAAATCTGGTACCGGTCC  
 GGAATTTCCCGGGTCAAATGCAGAAGTGGTTCTCATCTTTTTTGCAGCTTAAGATCTGC  
 CTTAGTATTTGAAGAGATATAAACTAGATCAATTTCTTTACAGGATCACTAAACAGTG  
 TACCACAATGAATCTGAACTTGACTATTATGAAAAGTTTGAAGAAGTCCATGGGATTCT  
 AATGTATAAAGATTTTGTCAAATATTGGGATAATGTGGAAGCGTTCAGGCAAGACCAGA  
 TGATCTTGTCAATGCCACCTACCCTAAATCTGGTACAACCTGGGTAGTAAAATTGTGTA  
 TATGATCTATAAAGAGGGTGTGTGAAAAGTGCAAAGAAGATGTAATTTTTAATCGAAT  
 ACCTTTCTGGAATGCAGAAAAGAAAACCTCATGAATGGAGTAAAACAATTAGATGAGAT  
 GAATTCCTAGAAATTGTGAAGACTCATTGCCACCTGAACTTCTCCTGCCTCATTTTG  
 GGAAAAGGATTGTAAGATAATCTATCTTTGCCGGAATGCANAGGATGTGGCTGTTTCTT  
 TTATTATTTCTTCTAATGGTGGCTGGTATCCAATCCTGGATCCCTTCCAGAGTTTGT  
 GGAGAAATTCATGCANGGACAGGTCCTTATGGTTCTGGTATAAACATGTAATAATCTT  
 GGTGGGAAAAGGAAAAGAGTCACTGTTACTATTTCTTTTCTACGAAGACCTTGAAGAGA  
 TATCAGAAAAGAAGTATAAATTTGATACATTTCTGGAAAAGGGAGCCATCAAAGGAGCT  
 GGGGACAGGGATATACATCATACTTCGGTTCCAAGAAAAGAACAATCCATCCCCAAATA  
 CCCACCCTGCCGACAAATTTTTGACCCAAATGTGCGCCTCATGAGAA

**Restriction Sites:** Please inquire

<b>ACCN:</b>	NM_005420
<b>Insert Size:</b>	1806 bp
<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>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>	<a href="#">NM_005420.2</a> , <a href="#">NP_005411.1</a>
<b>RefSeq Size:</b>	1805 bp
<b>RefSeq ORF:</b>	885 bp
<b>Locus ID:</b>	6783
<b>UniProt ID:</b>	<a href="#">P49888</a>
<b>Cytogenetics:</b>	4q13.3
<b>Protein Pathways:</b>	Androgen and estrogen metabolism, Sulfur metabolism
<b>Gene Summary:</b>	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 transfers a sulfo moiety to and from estrone, which may control levels of estrogen receptors. [provided by RefSeq, Jul 2008]