

## Product datasheet for **SC106060**

### **SUGT1 (AF068289) Human Untagged Clone**

#### Product data:

Product Type:	Expression Plasmids
Product Name:	SUGT1 (AF068289) Human Untagged Clone
Tag:	Tag Free
Symbol:	SUGT1
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Cell Selection:	None
Fully Sequenced ORF:	>NCBI ORF sequence for AF068289, the custom clone sequence may differ by one or more nucleotides

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ATGGTGACCTCCCGGGAGCGGGGACCACCAGTTGACTAAGGCTTTGGAACAGAAACCAGATGATGCAC
AGTATTATTGTCAAAGAGCTTATTGTCACATTCTTCTGGGAATTACTGTGTTGCTGTTGCTGATGCAAA
GAAGTCTCTAGAACTCAATCAAATAATTCCACTGCTATGCTGAGAAAAGGAATATGTGAATACCATGAA
AAAAACTATGCTGCTGCCCTAGAACTTTTACAGAAGGACAAAAATTAGATATAGAGACGGGGTTTCATC
GTGTTGGCCAGGCTGGTCTCCAACCTTGACCTCAAGTGATCCACCTGCCTTGGACTCCCAAAGTGCTGG
GATTACAGGTGCAGATGCTAATTTCAAGTGTCTGGATTAAGGTGCAAGAAGCTCAGAATGGCTCAGAA
TCTGAAGTGTGGACTCATCAGTCAAAAATCAAGTATGACTGGTATCAAACAGAATCTCAAGTAGTCATTA
CAATTTGA
```



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<b>5' Read Nucleotide Sequence:</b>	>OriGene 5' read for AF068289 unedited GTTGCACCATTATGTAATACGACTCACTATAGGGCGGCCGCAAATTCGCACGAGGGGCG CGTGCCTGTAGTCCCAGCTACTCGGGAGGCTGAGGTGGGAGGATCGCTTGAGCCCAGGAG TTCTGGGCTGTAGTGCCTATGCCGATCGGGTGTCCGCACTAAGTTCGGCATCAATATGG TGACCTCCCGGGAGCGGGGGACCACCAGGTTGCCTAAGGAGGGGTGAACCGGCCAGGTC GGAAACGGAGCAGGTCAAACCTCCCGTGTGATCAGTAGTGGTGTGTTCTCGGCTCTGCA GCCCCCGCTTCCAGGTTCAAGTAACTGCCTCAGCCTTCTGAGTAGCTGGGATTACAGGT GTGCACCACCACGCCAGCTCAAAGAAAATGAACGGCACCTGGACCACCCAGACCAACC AGATCTTGATGCTATCAAGATGTTTGTGGGCCAGGTTCCAAGGACCTGGTCTGAAAAGGA CTTGCGGGAACTCTCGAACAGTATGGTGTGTATGAAATCAACGTCCTAAGGGATAG GAGCCAAAACCCGCTCAGAGCAAAGGGTGTGTTTGTACATTTTACACCCGTAAGC TGCATTAGAAGCTCAGAATGCTCTTCAACATGAAAGTCTCCAGGGATGCATCACCC TATACAGATGAAACCTGCTGACAGTGAGAAGAACAATGCAGTGAAGACAGGAAGCTGTT TATTGGTATGATTTCAAGAAGTGCCTGAAAATGACATCCGAGTCATGTTCTNCTTCGT TTGGACAGATTGAAAGATGCCGGATATTGCCGGACCTGATGGCCTGAGCCGAGGTGTGC ATTTNGACTTTTACACAAGAGCCATGGACAGACGCTATCAAGGCATGCACCAGCCAGACA TGAAGTTGCTCATACCCAT
<b>Restriction Sites:</b>	NotI-NotI
<b>ACCN:</b>	AF068289
<b>Insert Size:</b>	4000 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>	<u><a href="#">AF068289.1</a></u> , <u><a href="#">AAF65508.1</a></u>
<b>RefSeq Size:</b>	1089 bp
<b>RefSeq ORF:</b>	1089 bp
<b>Locus ID:</b>	10910
<b>Cytogenetics:</b>	13q14.3
<b>Domains:</b>	TPR
<b>Protein Pathways:</b>	NOD-like receptor signaling pathway

**Gene Summary:**

This gene encodes a highly conserved nuclear protein involved in kinetochore function and required for the G1/S and G2/M transitions. This protein interacts with heat shock protein 90. Alternative splicing results in multiple transcript variants. Pseudogenes for this gene have been defined on several different chromosomes. [provided by RefSeq, Mar 2016]