

## Product datasheet for **SC126385**

### CHST9 (NM\_031422) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	CHST9 (NM_031422) Human Untagged Clone
Tag:	Tag Free
Symbol:	CHST9
Synonyms:	GALNAC4ST-2; GalNAc4ST2
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_031422 edited
CCCCGCTCCCGCGCGCGCTCCGCTCTCAGCCACCTCACGGCTGCCAGGAGTGCGCGGG
AGTTTGCCCCGGAGCGCGGGGAAGTTTCTCCGAAGCTGCGCTCTGGAACAGCAGCACC
TGCAAGCGCCCGCAGCGGCCCGCAGGTTACTTTATGGAATTGGGCTCTTAGAGAACAA
GAAAAGACTGAAGTTTTACGGGAAAAACAATCATGTGGTCTTCAGATTCTGAAATAAGGA
GAAATGCAGCCATCTGAAATGGTCATGAACCCAAACAAGTCTTCCTCTCTGTGCTGATA
TTTGGAGTAGCTGGGCTACTCTTTCATGTATTTGCAAGTCTGGATTGAAGAACAACAT
ACAGGGAGAGTGGAGAAGAGAAGAAACAAAAAGTAACTTCAGGATGGGGACCAGTGAAG
TACTTGCGGCTGTACCCAGAATCATGAGTACAGAAAAATCCAGGAACATATACCAAC
CAGAACCCTAAGTTTACATGCCTGAGGATGTACGAGAAAAAAGGAAAACTTCTACTC
AATTCTGAGAGATCTACTAGGCTCTTAACAAAGACCAGTCATTACAAGGAGGGGATCAA
GCTTTAAGTAAGTCCACAGGTCACCAACAGAGAAGTTGATTGAAAAACGTCAAGGAGCT
AAGACTGTTTTTAAACAGTTCAGCAACATGAATTGGCCAGTGGACATTCACCTTTAAAC
AAAAGTTTAGTCAAAGATAATAAATGGAAGAAAAGTGGAGACCCAAGAGAAACGAAGG
TCTTTCCTTCAGGAGTTTGAAGAAATACGGTGGGGTGAAGTATCATCAGTCACATCTT
TTTCATACAGTATCCAGAATCTATGTAGAAGATAAACACAAAATCTTATATTGTGAGGTA
CCTAAGGCTGGCTGTTCCAATTGAAAAGAATTCTGATGGTACTAAATGGATTGGCTTCC
TCTGCATACAACATCTCCACAATGCTGTCCACTACGGGAAGCATTTGAAGAAGCTAGAT
AGCTTTGACCTAAAAGGGATATATACCCGCTTAAATACTTACACCAAAGCTGTGTTTGT
CGTGATCCCATGGAAAGATTAGTATCAGCCTTTAGGGACAAATTTGAACACCCCAATAGT
TATTACCATCCAGTATTCGAAAGGCAATTATCAAGAAATATCGACCAATGCCTGTGAA
GAAGCATTAATTAATGGATCTGGAGTCAAGTTCAAAGAGTTTATCCACTACTTGCTGGAT
TCCCACCGTCCAGTAGGAATGGACATTCAGTGGGAAAAGGTGAGCAAACTCTGCTATCCG
TGTTTGATCAACTATGATTTTGTAGGAAATTTGAGACTTTGGAAGAAGATGCCAATTAC
TTTTTACAGATGATCGGTGCTCCAAAGGAGCTGAAATTTCCCACTTTAAGGATAGGCAC
TCTTCCGATGAAAGAACCAATGCTCAAGTCGTGAGACAGTATTTAAAGGATCTGACTAGA
ACTGAGAGACAATTAATCTATGACTTTTTATTACTTGGACTATTTAATGTTTAATTATACA
ACTCCATTTTTGTAGTTTGCATTCATTTCTAAAACCCTGTATATACTTAATGATGATAA
GTTCAAATCAGCTGTAATTTTTCTATAATTCTCTGTATGACAGAAATTTAACCAAGTGCA
GTTGCTTGATTTAATGTAGATTTTACCAAATAGTATGACACCAATTGGCACAAAGTTA
TAGGAAAATCACCTACAGGAGATGTAACAACCTGAGTTGCTCTAAAATGTTTGGAAAAG
AGCTGCTTTTGCATTATGAATTATATTGTTGAAGCAATAACCTAGCCAGCTGTTGCATTA
GCTAAAGCAGCCTCTTGAATGGTAGGAAAAAAGGATCTCAAATAGCATGAGTGTATGTC
TATATCCTGAAATTTATTGTCTAAAATGCATGAATATATTTTAGCAGTCTGTGGCATAT
TAATCAAATGTTGAATGTTTTCTTACCCCTGGAAATCTTTCTATCAACTATAATGAT
AAATCCATTTTGAAGTGAIAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA
AAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA
  
```

<b>5' Read Nucleotide Sequence:</b>	>OriGene 5' read for NM_031422 unedited GTTCAGAAATTTGTAACGACTCACTATAGGCGGCCGCGTAATCAGATCTGGTACCGGTCC GGAATTCCTCCGGATCCCCGCTCCCGCGCGGCGCTCCGCTCTCAGCCACCTCACGGCTGC CAGGAGTGC GCGGGAGTTTGCCCCGAGCGCGGGGAAGTTTCTCCGAAGCTGCGCTCCT GGAACAGCAGCACCTGCAAGCGCCCGCAGCGGCCCGCGAGGTTACTTTATGGAATTGGG CTCTTAGAGAACAAGAAAAGACTGAAGTTTTACGGGAAAAACAAATCATGTGGTCTTCAGA TTCTGAAATAAGGAGAAATGCAGCCATCTGAAATGGTCATGAACCCCAAACAAGCTTCC TCTCTGTCTGATATTTGGAGTAGCTGGGCTACTCCTCTTCATGTATTTGCAAGTCTGGA TTGAAGAACAACATACAGGGAGAGTGGAGAAGAGAAGAGAACAAAAAGTAACTTCAGGAT GGGGACCAGTGAAGTACTTGC GGCTGTACCCAGAATCATGAGTACAGAAAAATCCAGG AACATATACCAACCAGAACCCCAAGTTTACATGCCTGAGGATGTACGAGAAANAAGGA AAATCTTCTACTCAATTCTGAGAGATCTACTAGGCTCTAACANAGACCAGTCATTCA AGGAGGGGATCAAGCTTTAAGTAAGTCCACAGGGTCACCAACAGAGAAGTTTGATTGAAA ACGTCAAGGAGCTAAGACTGTTTTTAACAAGTTCAGCNACATGAAATGGGCCAGTGGACA TTCACCCTTTAAAAAAGTTTAGTCAAGATNATAAATGGAAGAAAACACTGNAGAGACCCA AGAGAAAACGAAGTCTTTCCCTTCAGAGTTTTGCAAGAAAATACGGTGGGGTGGATCATC ATCAGTCACATCTTTTTCATACAGTATCCAGAATCTATGT
<b>Restriction Sites:</b>	Please inquire
<b>ACCN:</b>	NM_031422
<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_031422.1</a> , <a href="#">NP_113610.1</a>
<b>RefSeq Size:</b>	2157 bp
<b>RefSeq ORF:</b>	1317 bp
<b>Locus ID:</b>	83539
<b>UniProt ID:</b>	<a href="#">Q7L1S5</a>
<b>Cytogenetics:</b>	18q11.2
<b>Protein Families:</b>	Transmembrane

**Gene Summary:**

The protein encoded by this gene belongs to the sulfotransferase 2 family. It is localized to the golgi membrane, and catalyzes the transfer of sulfate to position 4 of non-reducing N-acetylgalactosamine (GalNAc) residues in both N-glycans and O-glycans. Sulfate groups on carbohydrates confer highly specific functions to glycoproteins, glycolipids, and proteoglycans, and are critical for cell-cell interaction, signal transduction, and embryonic development. Alternatively spliced transcript variants have been described for this gene.

[provided by RefSeq, Aug 2011]

Transcript Variant: This variant (1) represents the longer transcript and encodes the longer isoform (1).