

Product datasheet for **SC100785**

CHST13 (NM_152889) Human Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: CHST13 (NM_152889) Human Untagged Clone
Tag: Tag Free
Symbol: CHST13
Synonyms: C4ST3
Mammalian Cell Selection: None
Vector: [pCMV6-XL4](#)
E. coli Selection: Ampicillin (100 ug/mL)

Fully Sequenced ORF: >OriGene ORF sequence for NM_152889 edited
 ATGGGGAGGCGCTGCTGCCGGCGGCGCGTGTGCGGCCGCTGTCTGGGCGCCGCGCTC
 CTGCTCCTATGCGCCGCGCCCGCTCCCTGCGCCCGGCATTTGGAAACAGAGCCCTGGGC
 TCCAGCTGGCTTGGTGGGAGAAGAGAAGCCCTGCAGAAGCTCTATGACCTGGATCAG
 GACCCGCGCTCGACCTGGCGAAGGTGCACCGGCAGCGCGCGACCTGCTGAACAGCGCC
 TGTAGCCGCACTCACGCCGCGCAGCGCCTGCTACAGCCGAGGACCTGCGGCACGTGCTG
 GTGGACGACGCGCATGGCCTGCTCTACTGCTACGTGCCAAGGTGGCCTGCACCAACTGG
 AAGCGGTGCTGCTGGCGCTGAGCGGCCAAGCCCGCGGCGACCCGCGCCATCTCCGCG
 CAAGAGGCGCACGCGCCTGGCCGCTGCCCTACTGGCCGACTTACGCCCGCGGAGATC
 AACCGCGCCTGCGCGCCTACTTGGCCTTCTGTTCGTGCGGGAGCCCTTCGAGCGCCTG
 GCATCGGCTTACCGCAACAAGCTCGCGGCCCTACAGCGCCGCTTCCAGAGGCGCTAC
 GGTGCACGCATCGTTACGCGCCTGCGGCCGCGCGCTCCCCGACGCCCGGGCCCGCGGC
 CACGACGTGCGCTTCGCGGAGTTCTGGCCTACCTGCTGGACCCGCGCACGCGGCGTGAG
 GAGCCCTCAACGAGCACTGGGAGCGCGCACGCGCTCTGCCACCCGTGTCGCCTCCGC
 TACGACGTCGTGGCAAGTTTCGAGACGCTGGCGGAGGACGCGCCTTCGTGCTGGCCTG
 GCGGGCGCATCCGACCTGAGCTTCCCTGGGCCGCGCGGCCCGGGAGCCGCGCCTCC
 CGCGACCTGGCAGCGCGCCTCTCCGGGACATCAGCCCTTCTACCAGCGCGCCTCTTC
 GACCTCTACAAGATGGACTTCTGCTTTTCAACTACTCCGCCCTCCTACCTGCGGCTG
 CTCTAG



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5' Read Nucleotide Sequence:	<p>>OriGene 5' read for NM_152889 unedited</p> <pre>TTGATTTTGTAAATACCACTTCTTTATAGGGCGGCCGCGCAGCCGTATCCAGCGGACTGTC CTCCGCCGCGCGCCCGGCACAGCATGGGGAGGCGCTGCTGCCGGCGGCGCGTGTGGCGG CCGCCTGTCTGGGCGCCGCGCTCCTGCTCCTATGCGCCGCGCCCCGCTCCCTGCGCCCGG CATTTGGAAACAGAGCCCTGGGCTCCAGCTGGCTTGGTGGGGAGAAGAGAAGCCCCCTGC AGAAGCTCTATGACCTGGATCAGGACCCGCGCTGACCCCTGGCGAAGGTGCACCGGCAGC GGCGGACCTGCTGAACAGCGCCTGTAGCCGCCACTCACGCCGGCAGCGCCTGCTACAGC CGGAGGACCTGCGGCACGTGCTGGTGGACGACGCGCATGGCCTGCTCTACTGCTACGTGC CCAAGGTGGCCTGCACCAACTGGAAGCGCGTGCTGCTGGCGCTGAGCGGCCAAGCCCGCG GCGACCCGCGCGCCATCTCCGCGCAAGAGGCGCACGCGCCTGGCCGCTGCCCTCACTGG CCGACTTCAGCCCCGCGGAGATCAACCGGCGCCTGCGCGCCTACTTGGCCTTCTGTTCG TGCGGGAGCCCTTCTAGCGCCTGGCATCGGCTTACCGCAACAAGCTCGCGCGCCCTACA GCGCCGCTTCCAGAGCGCCTACGGTGCACGCATCGTTCAGGGGCCGCGGCCGCGCGCGC TCTCCGAGCCCGATCCGCGCTAGTAGTGCCTTCGGGGAGTTCGGGGTACCTGCTGG ACCTCCCACGCCGCGTGGGGAGCCCTTTCACGAGCACTGGGAGCGCGGGCCACCCCTCTG CCACCCGGGTGGCTCCGCTATGCCTTCGTGGGCTAATTCGAGACCCTGGCGGAGGACT CCGCCTTCGTGCGTGGTCTGGTGCGCCCATCCTACCTGTGATTTCTTGGGTCTCCCGT GCCCAGGGGAGCACTCCCT</pre>
3' Read Nucleotide Sequence:	<p>>OriGene 3' read for NM_152889 unedited</p> <pre>TTTNAAGGTATTATTAGNACCGCGGCACGACTATGATCGATTTTTTTTTTTTTTTTTTTT TTTTTTCAGAAGTAACAAAATACATTTATTTCAAACCATGACCGCCAGCTCACCAAAG TCCCATAAAACCTGTGACCGCATTGCACCAGGGGCTCTGTTGGCATGGAGCCTGAAGACC CAGCGTCTTGCCAGACTGAGACCGAAGGTGGCGCCTGGGTAGGGCCAGCCGCGTGGGAGA GGAGAGGAGACCCGATGGCAGTGAAGGAGCTCCACCTGGCTCCCGGGACGGCCCAT CGTGAGGCCAGCAAGGGAGGGCTTTCGTCTTGCCCGCAGCTGTCTTGCCAGGGTGGG CGAGGTGGGGAGGACACAGGCTCGGGCCACACTGACACCGGTGTGAGCATTATGTTCTGA TGCACCATGAACAGGTTCAAGGGGAGGGCTGACCCCCAAAATGGCCTTTAAAAGCCTAAA ACCCTGGTTATCAAGTCTTGCCCATCTACGGGCGCTGGAGAGGTGCCTGTCAGCTGGAG CAAGTGGAGGAAGCAGGCCTCAGGCGACAGGCCAGGCAGGCACACGCGTGCAGGGCCAC CTGAGATGGGCTGCCCAAGCCTGGCCAGGTGTCCTTGGCCCGCTGGCCCGGGCGGCC AGGTGAGTGCACGCAGTGGCTCTTGAAGAGGGGTCTGGGGCCGCGCAGCACCTGCATTCC CCGGGGGTCTTGTGCGATAGGCCTTGCCCGCGTGGCCACAGGACCTCCAGGACCGCTA GAGCATCCGAGGTAGGAGGGGGCGGAGTAGTTGAAAAACAGAAAGTCATCTTGTAGAGG TCC</pre>
Restriction Sites:	NotI-NotI
ACCN:	NM_152889
Insert Size:	1250 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).
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:	NM_152889.1 , NP_690849.1
RefSeq Size:	1747 bp
RefSeq ORF:	1026 bp
Locus ID:	166012
UniProt ID:	Q8NET6
Cytogenetics:	3q21.3
Domains:	Sulfotransfer2
Protein Families:	Transmembrane
Protein Pathways:	Chondroitin sulfate biosynthesis, Sulfur metabolism
Gene Summary:	<p>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 the C4 hydroxyl of beta-1,4-linked N-acetylgalactosamine (GalNAc) flanked by glucuronic acid residue in chondroitin. Chondroitin sulfate constitutes the predominant proteoglycan present in cartilage and is distributed on the surfaces of many cells and extracellular matrices. [provided by RefSeq, Aug 2011]</p>