

Product datasheet for **SC303460**

CHST3 (NM_004273) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CHST3 (NM_004273) Human Untagged Clone
Tag:	Tag Free
Symbol:	CHST3
Synonyms:	C6ST; C6ST1; HSD
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)

Fully Sequenced ORF: >OriGene sequence for NM_004273 edited
 CCCATGGAGAAAAGGACTCACTTTGCCCCAGGACTGCCGGGACTTTGTGCACAGCCTGAAG
 ATGAGAAGCAAATACGCCCTTTTCTGGTTTTTGTGGTATAGTTTTTGTCTTCATCGAA
 AAGGAAAATAAAATCATATCAAGGGTCTCAGACAAGCTGAAGCAGATTCCCAAGCTCTA
 GCAGATGCCAACAGCACCCAGCCCTGATCTTAGCTGAGAAGCATCTCTCTGTCC
 CTGAGCGAGCTCGATTACGCTTCTCCAGCTTCCAGAGCCGTCTCCGCAACCTCAGCTTG
 CAGCTGGGCGTGGAGCCAGCCATGGAGGCCGAGGGGAGGAAGAGGAGCAGAGAAAAG
 GAGGAGGAGCCGCCAGACCGGCGTGGCGGGGCCCGGCCACGTGCTCATGGCC
 ACCACGCGCACCGGCTCCTCGTTCTGGGCGAGTCTTCAACCAGCAGGGCAACATCTTC
 TACCTCTTCGAGCCGCTGTGGCACATCGAGCGCACAGTGTCTTCGAGCCGGGGGGCC
 AACGCCGCGGGTCCGCCCTGGTGTACCGCGACGTGCTCAAGCAGCTCTTCTGTGCGAC
 CTGTACGTGCTGGAGCACTTCATCACGCCGCTGCCGAGGACCCTGACTCAGTTCATG
 TTCCGCCGGGGTCCAGCCGCTCCTGTGCGAGGACCCCGTCTGTACGCCCTTCGTCAAG
 AAGGTCTTCGAGAAGTACCCTGCAAGAACCAGCCGCTGCGGGCCCTCAACGTGACGCTG
 GCCGCAGAGGCCCTGCCGCCGCAAGGAGCACATGGCCCTCAAGGCGGTGCGCATCCGGCAG
 CTGGAGTTCCTGCAGCCGCTGGCCGAGGACCCCGCTGGACCTGCGCGTCATCCAGCTG
 GTGCGGACCCCGGGCCGCTGCTGGCCTCGCGCATGGTGGCTTCGCCGGAAGTATAAG
 ACCTGGAAGAAGTGGCTGGACGACGAGGGCCAGGACGGCTGAGGGAAGAGGAGGTGCAG
 CGGCTGCGGGGCAACTGCGAGAGCATCCGCTGTCCGCGGAGCTGGGGCTGCGGCAGCCC
 GCCTGGCTGCGGGCCGCTACATGCTGGTGCCTACGAGGACGTGGCACGCGGGCCGCTG
 CAGAAGGCCCGGAGATGTACCGCTTCGCCGCGATCCCTTGACCCCGCAGGTGGAAGAC
 TGGATCCAAAAGAACACGCAGGCGGCCACGACGGCAGCGCATCTACTCCACGCAGAAG
 AACTCCTCGGAGCAGTTCGAGAAGTGGCGCTTCAGCATGCCCTTCAAGCTGGCCAGGTG
 GTGCAGGCCGCTGCGGCCCTGCCATGCGCTCTTCGGCTACAACTGGCGGGGACGCC
 GCCGCCCTACCAACCGCTCAGTCAGCCTGCTGGAGGAGAGGGGCACCTTCTGGGTCAGC
 TAGGGGGCCGGGCCCGTATGCCCC



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Restriction Sites:	Please inquire
ACCN:	NM_004273
Insert Size:	1500 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).
OTI Annotation:	This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
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:	<u>NM_004273.2</u> , <u>NP_004264.2</u>
RefSeq Size:	6961 bp
RefSeq ORF:	1440 bp
Locus ID:	9469
UniProt ID:	<u>Q7LGC8</u>
Cytogenetics:	10q22.1
Protein Families:	Transmembrane
Protein Pathways:	Chondroitin sulfate biosynthesis
Gene Summary:	This gene encodes an enzyme which catalyzes the sulfation of chondroitin, a proteoglycan found in the extracellular matrix and most cells which is involved in cell migration and differentiation. Mutations in this gene are associated with spondylepiphyseal dysplasia and humerospinal dysostosis. [provided by RefSeq, Mar 2009]