

Product datasheet for **SC105315**

CHST5 (AK025820) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CHST5 (AK025820) Human Untagged Clone
Tag:	Tag Free
Symbol:	CHST5
Synonyms:	ALYE870; JBTS20; MKS11; PRO1886
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL6</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC105315 sequence for AK025820 edited (data generated by NextGen Sequencing)

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ATGGCGCTCTATGAGCTTCTCTCACCCGGTCGAGCGCAGTTACCGCGGGGCTCTGC
TCCAAAGCCGCGCTGTTCTCTGCTGCTGGCCGCTGCGCTCACGTACATCCCGCGCTGCTG
GTGGCCTTCCGGAGCCACGGGTTTTGGCTGAAGCGGAGCAGCTACGAGGAGCAGCCGACC
GTGCGCTTCCAACACCAGGTGCTGCTCGTGGCCCTGCTCGGACCCGAAAGCGACGGGTTT
CTCGCCTGGAGCACGTTCCCGCCTTCAACCGGCTGCAAGGGGATCGCCTGCGCGTCCCG
CTCGTTTTCGACTAGAGAAGAAGACAGGAACCAGGATGGGAAGACGGACATGTTACATTTT
AAGCTGGAGCTTCCCCTGCAGTCCACGGAGCACGTTCTCGGTGTGCAGCTCATCCTGACT
TTCTCCTATCGATTACACAGGATGGCGACCCTCGTGATGCAGAGCATGGCGTTTCTCCAG
TCCTCCTTTCCTGTCCCGGGATCCAGTTATACGTGAACGGAGACCTGAGGCTGCAGCAG
AAGCAGCCGCTGAGCTGTGGTGGCCTAGATGCCCGATACAACATATCCGTGATCAACGGG
ACCAGCCCTTTGCCTATGACTACGACCTCACCCATATTGTTGCTGCCTACCAGGAGAGG
AACGTTACCACCGTCCTGAATGATCCCAACCCATCTGGCTGGTGGGCGAGGGCCGAGAT
GCTCCATTTGTGATTAATGCTATCATCCGATACCCTGTGGAAGTCATTTCTTATCAGCCA
GGATTCTGGGAGATGGTAAAGTTCGCCTGGGTGCAGTATGTCAGCATCCTGCTTATCTTC
CTCTGGGTGTTTGAAGAATCAAGATCTTCGTGTTTCAGAATCAGGTGGTGACCACCATT
CCTGTGACAGTGACGCCCGGGGAGACTTGTGTAAGGAGCACTTATCCTAG

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Clone variation with respect to AK025820.1



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5' Read Nucleotide Sequence:	>OriGene 5' read for AK025820 unedited NTTTATAACACCCGCCGTTGNCGCAAAGGGCGGTAGGCGGTACGGTGGGAGGTCTATA TAAGCAGAGCTCATTTAGGTGACACTATAGAATACAAGCTACTTGTCTTTTTGCAGCGG CCGCGAATTCGGCACGAGGGCCAAACTTGGTCCCCCGGCTCGCGGAGTGCCTGCGAGCGG TGCTCATGGCGCTCTATGAGCTTCTCTCACCCGGTCGAGCGCAGTTACCGCGCGGGG TCTGCTCCAAAGCCGCGCTGTTCTGCTGCTGGCCGCTGCGCTCACGTACATCCCGCCG TGCTGGTGGCCTTCCGGAGCCACGGGTTTTGGCTGAAGCGGAGCAGCTACGAGGAGCAGC CGACCGTGCCTTCCAACACCAGGTGCTGCTCGTGGCCCTGCTCGGACCCGAAAGCGACG GGTTCTCGCCTGGAGCACGTTCCCGCCTTCAACCGGCTGCAAGGGGATCGCCTGCGCG TCCCGCTCGTTTCGACTAGAGAAGAAGACAGGAACCAGGATGGGAAGACGGACATGTTAC ATTTTAAGCTGGAGCTTCCCTGCAGTCCACGGAGCACGTTCTCGGTGTGCAGCTCATCC TGACTTCTCCTATCGATTACACAGGATGGCGACCCTCGTGATGCAGAGCATGGCGTTTC TCCAGTCTCCTTCTGCTCCCGGATCCCAGTTATACGTGAACGGAGACCTGAGGCTGC AGCAGAAGCAGCCGCTGAGCTGTGGTGGCCTAGATGCCCGATACACATATCCGTGATCAA CGGGACCAGCCCTTTGCTATGACTACGACCTCACCCATATTGNTGCTGCCTACCAGAG AGGAAACGTACCACCGTCTGAATGATCCACCCNATCTGGCTGTGGGCAGGCCCGCAGA GCTCCATTTGTGATAATGCTATATCCGATACCTGTGAAGTCATTNCTGTCTN
Restriction Sites:	NotI-NotI
ACCN:	AK025820
Insert Size:	3000 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:	AK025820.1 , BAB15244.1
RefSeq Size:	2708 bp
RefSeq ORF:	951 bp
Locus ID:	23563
Cytogenetics:	16q23.1

Gene Summary:

The protein encoded by this gene belongs to the Gal/GalNAc/GlcNAc 6-O-sulfotransferase (GST) family, members of which catalyze the transfer of sulfate to position 6 of galactose (Gal), N-acetylgalactosamine (GalNAc), or N-acetylglucosamine (GlcNAc) residues within proteoglycans, and sulfation of O-linked sugars of mucin-type acceptors. Carbohydrate sulfation plays a critical role in many biologic processes. This gene is predominantly expressed in colon and small intestine. [provided by RefSeq, Aug 2011]