

Product datasheet for **SC332999**

CHST15 (NM_001270765) Human Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: CHST15 (NM_001270765) Human Untagged Clone
Tag: Tag Free
Symbol: CHST15
Synonyms: BRAG; GALNAC4S-6ST
Vector: pCMV6-Entry (PS100001)
Fully Sequenced ORF: >SC332999 representing NM_001270765.
 Blue=Insert sequence Red=Cloning site Green=Tag(s)

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ATGAGGCACTGCATTAATTGCTGCATACAGCTGTTACCCGACGGCGCACACAAGCAGCAGGTCAACTGC
CAAGGGGGCCCCATCACGGTCACCAGGCGTGCCCCACGTGCAAAGGAGAAAAACAAAATTCTGTTTCGT
GTGGACAGTAAGCAGATGAACCTGCTTGTCTCGAAGTGAGGACTGAAGGGAACGAAAAGTGGGGT
GGGTTTTTTCGCTTCAAAAAGGGGAAGCGATGTAGCCTCGTTTTGGACTGATAAATGACCTTGGTA
ATGGCTTCTTACATCCTTTCTGGGGCCCAAGAGCTTCTGATCTCATCACCTTCCATTACGGAGGC
TTCCCCAGCAACCCAGCTTGATGGACAGCGAAAACCAAGTGACACAAAGGAGCATCACCAATCC
TCTGTAATAATATTTTCATACATGAAGGACTATCCAAGCATTAAATTAATTATCAACAGCATCACAAC
AGGATTGAGTTACGACCAGACAGCTCCAGACTTAGAAGACCTTAAGAAGCAGGAGTTGCATATGTTT
TCAGTCATCCCCAACAAATTCCTTCAAACAGTAAGAGCCCTGTTGGTACGAGGAGTTCTCGGGGCAG
AACACCACCGACCCTACCTCACCAACTCTACGTGCTTACTCCAAGCGCTTCCGCTCCACCTTCGAC
GCCCTGCGCAAGGCTTCTGGGGCCACCTGGCGCACGCGCACGGGAAGCACTTCCGCTGCGCTGCCTG
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CTAAGAGATGGGCTGCGAGACCGCTATCCCGTGAAGATTATCTGGACCTTTTGACCTGGCCGCACAC
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TTCCATGAGAAAGTGACAGAAGCACTGCAGCTGTTTAAAATTCATGCTTGATTATTCAGTGCAGCC
TGCGTCTACAACAACACCCTCAACAACGCCATGCCTGTGTGTACCCCCCCCCCGTACCCCCGAGCT
GGCCCCGGCAGAAGGAGCTGGTTTGTGTTATTATGCAAGCGGATTGGGTTTGCCTTTCAGCATA
GGAACAGAGAGAAGCGTTTTAATGTGCAATGCTTCCCATTTTCATGGATGTAAGAGCTGAAAAC
TGA
  
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Restriction Sites: SgfI-MluI
ACCN: NM_001270765
Insert Size: 1521 bp



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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:	<u>NM_001270765.1</u>
RefSeq Size:	3618 bp
RefSeq ORF:	1521 bp
Locus ID:	51363
UniProt ID:	<u>Q7LFX5</u>
Cytogenetics:	10q26.13
Protein Families:	Transmembrane
Protein Pathways:	Chondroitin sulfate biosynthesis
MW:	58.1 kDa
Gene Summary:	<p>Chondroitin sulfate (CS) is a glycosaminoglycan which is an important structural component of the extracellular matrix and which links to proteins to form proteoglycans. Chondroitin sulfate E (CS-E) is an isomer of chondroitin sulfate in which the C-4 and C-6 hydroxyl groups are sulfated. This gene encodes a type II transmembrane glycoprotein that acts as a sulfotransferase to transfer sulfate to the C-6 hydroxyl group of chondroitin sulfate. This gene has also been identified as being co-expressed with RAG1 in B-cells and as potentially acting as a B-cell surface signaling receptor. Alternative splicing results in multiple transcript variants encoding distinct isoforms. [provided by RefSeq, Jul 2012]</p> <p>Transcript Variant: This variant (4) differs in the 5' UTR, 3' UTR, and 3' coding sequence compared to variant 1. The resulting isoform (2) has a shorter and distinct C-terminus compared to isoform 1. Variants 2 and 4 encode the same protein. Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.</p>