

Product datasheet for **RN202867**

Chst15 (NM_173310) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Chst15 (NM_173310) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Chst15
Synonyms:	Galnac4s-6st; GalNAc4S6ST
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >RN202867 representing NM_173310
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGAGGCACTGCATTAATTGCTGCATACAGCTGTTCCCGAAGACGCACACAACAGCAGGTTGCCTGCC
 AAGGAGGCCCCATCACAGTCATCAGGCGTGCCCAAGTTGCAAAGGAGAAGACAAAATTCTGTTCCGGGT
 GGACAGTAAGCAGATGAACCTGCTTGTCTCGAAGTGAGGACTGAGGGCAACGAAAACCTGGGGCGGG
 TTTTGGCCTTCAGGAAAGGGAAGCGATGTAGCCTGGTCTTTGGATTGATAATAATGACCTTGGTGATGG
 CTTCTTACATCCTTCCGGGGCTCATCAGGAACCTCTAATTTTCATCCCCTTCCATTATGGGGGCTTTCC
 CAGCAACCCAGCGTGATGGACAGTGAGAGCCCTAGTGATGTGAAAGAGCATCACTACCAGCCTTCGGTA
 AATAACATCTCCTATGTGAAGGATTATCCCAACATTAAGTATTATTGACAGCATCGTGCCAGGAATG
 AGTTCACAACCAGGCAGCTCCCGACTTACAAGATCTCAAGAGACAAGAGTTGCACATGTTTTCTGTGAT
 CCCCAATAAATTCCTTCCGACTAGCAAGAGCCCTTGTGGTATGAGGAATTCTCCGGCAGGAACACCACT
 GACCCCTACCTGACCAATTCTACGTGCTCTACTCCAAGCGCTTCCGCTCTACCTTTGACTCTGCGAA
 AGGCTTTCTGGGGCCACCTGTCCCATGTGCATGGCAAGCATTTCGCGCTGCGCTGCCACACTTCTA
 CATCATTGGGCAGCCCAAGTGCGGAACCACTGACCTCTATGACCGCCTTCGGCTGCATCCAGAAGTGAAA
 TTCTCAGCCATCAAGGAGCCCCACTGGTGGACCCGGAAGCGCTTTGGAATTGTCCGCTGAGGGATGGGC
 TACGAGACCGCTACCCTGTGGAAGATTACCTGGACCTTTTGACTTGGCTGCACACCAGATCCATCAAGG
 ACTGCAGGCTGCCTCTGCAGAGCAGACGAGCAAGATGAATAGGATCATTATCGGAGAGCCAGCGCCTCT
 ACAATGTGGGATAACAATGCCTGGACCTTCTTCTATGACAACAGCACAGACGGCGAGCCACCGTTCTGA
 CCCAAGACTTCATCCATGCCTTTCAGCCTGAAGCCAAGCTCCTTGTGCTCAGGGATCCCCTGGAGAG
 GTTGTACTCAGACTATCTACTTTGCAAGTTCAAATAAATCCGCGATGACTTCCACGAGAAGGTGACG
 GAGGCTCTGCAGCTGTTTAAAATTGCATGCTGGATTATTCACTGCGCGCCTGCGTCTACAACAACCC
 TGAACAATGCCATGCCGTGAGGCTCCAGGTCGGTCTGTATGCTGTGTATCTCCTGGACTGGCTCACTGT
 CTTCAGTAAGGAGCAGTTCCTCATTCTACGTCTGGAAGACCATGCATCCAATGTCAAGTACACCATGCAC
 AAGGTCTCCAGTTTCTAAACCTGGGGCCTCTAAGTGAGAAGCAAGAAGCTTTGATGACCAAGAGCCCCG
 CGTCCAACACACGGCGTCTGAGGATCGTAGTCTGGGACCCATGTGGCCGATCACTCAGAAGATCCTGCC
 GGACTTCTACGGCCTTCAACACAAGGCTGGCACAGGCTCTGGATGATGAGGCGTTTGCCTGGAAGACG
 ACGTGA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** SgfI-MluI
- ACCN:** NM_173310
- Insert Size:** 1686 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:

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_173310.3](#), [NP_775432.3](#)

RefSeq Size: 1701 bp

RefSeq ORF: 1686 bp

Locus ID: 286974

UniProt ID: [Q8CHI9](#)

Cytogenetics: 1q41

Gene Summary: Sulfotransferase that transfers sulfate from 3'-phosphoadenosine 5'-phosphosulfate (PAPS) to the C-6 hydroxyl group of the GalNAc 4-sulfate residue of chondroitin sulfate A and forms chondroitin sulfate E containing GlcA-GalNAc(4,6-SO(4)) repeating units. It also transfers sulfate to a unique non-reducing terminal sequence, GalNAc(4SO4)-GlcA(2SO4)-GalNAc(6SO4), to yield a highly sulfated structure similar to the structure found in thrombomodulin chondroitin sulfate. May also act as a B-cell receptor involved in BCR ligation-mediated early activation that mediate regulatory signals key to B-cell development and/or regulation of B-cell-specific RAG expression; however such results are unclear in vivo (By similarity). [UniProtKB/Swiss-Prot Function]