

Product datasheet for MC210095

Chst5 (NM_019950) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Chst5 (NM_019950) Mouse Untagged Clone
Tag: Tag Free
Symbol: Chst5
Synonyms: A1173964; Gn6st-3; GST-4; I-GlcNAc-6-ST
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >MC210095 representing NM_019950
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGC**C

ATGCGGCTACCCCGTTTCTCCAGCACTGTCATGCTTTCGCTCCTGATGGTACAGACTGGCATCCTGGTCT
 TCCTGGTCTCCCGCAAGTGCCATCGTCCCGAGAGCCCTTGGGAGCGTGTGCAGTGTGGTACTGTC
 CTCGTGGCGCTCGGGCTCGTCTTCGTGGGCCAGCTCTTCAGCCAACACCCCGATGTCTTCTACCTGATG
 GAGCCGGCTTGGCACGTCTGGGATACGTTGTGCGAGGGCAGTGCCCGCACTCCACATGGCCGTGCGTG
 ACCTGATCCGCTCAGTGTTCCTATGCGACATGGACGATTTTGATGCCTACCTGCCCTGGCGCCGCAACAT
 CTCGGATCTTCCAGTGGGCGGTGAGCCGCGCATTGTGCTCACCTCCGGTCTGCGAAGCCTTCGCTCGT
 GGCAACATCAGCAGCGAGGAGGTGTGTAAGCCTCTGTGCGCAACGCGGCCCTTCGGCCTGGCTCAGGAAG
 CCTGCAGTCTCTATAGTCACGTCGTGCTCAAGGAGGTGCGCTTCTTTAACCTACAGGTGCTTACCCGCT
 GCTCAGCGACCTGCGCTCAACCTGCGCATCGTGACCTAGTGCGCGACCCGCGGGCCGTGCTGCGCTCC
 CGAGAGCAGACGCCAAGGCGCTGGCACGGGACAATGGCATCGTCTGGGTACCAACGGCACGTGGTGG
 AGGCGGACCCCGGCTGCGCGTGGTCAACGAGGTATGCCGAGCCATGTGCGCATCGCAGAGGCAGCCTT
 GCACAAGCCGCCCTTCTTGAAGATCGCTACCGCCTGGTGGCTACGAGGATCTGGCCGGGACCCCA
 CTCACCGTAATCCGTGAACCTCTATGCCTTACCAGGCTGGGTCTCACGCGCAGCTCCAGACTTGGATCC
 ACAATATCACGCATGGTTCAGGGCCAGGCGCGCCGTGAAGCCTTCAAGACCACATCCAGGGATGCGCT
 CAGTGTATCCAGGCTGGCGCCACAGCTGCCCTTTGCCAAGATTGCGCGGTCAGGAACTGTGCGGG
 GGTGCACTGCAGTGTGGTTACCGTCTGTGCATTGCGAGCTTGAGCAAAGGGACCTCTCTGGACC
 TCCTGCTGCCAAGAGGCATGGACAGTTTCAAGTGGGCATCGTCCACGGAGAAGCAACCGGAATCT**TAG**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI



[View online >](#)

ACCN:	NM_019950
Insert Size:	1188 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:	<u>NM_019950.2</u> , <u>NP_064334.1</u>
RefSeq Size:	1935 bp
RefSeq ORF:	1188 bp
Locus ID:	56773
UniProt ID:	<u>Q9QUP4</u>
Cytogenetics:	8 E1
Gene Summary:	Sulfotransferase that utilizes 3'-phospho-5'-adenylyl sulfate (PAPS) as sulfonate donor to catalyze the transfer of sulfate to position 6 of non-reducing N-acetylglucosamine (GlcNAc) residues of keratan. Mediates sulfation of keratan in cornea. Keratan sulfate plays a central role in maintaining corneal transparency. Acts on the non-reducing terminal GlcNAc of short and long carbohydrate substrates that have poly-N-acetyllactosamine structures. May also have activity toward O-linked sugars of mucin-type acceptors.[UniProtKB/Swiss-Prot Function]