

## Product datasheet for MC210179

### Chst11 (NM\_021439) Mouse Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Chst11 (NM\_021439) Mouse Untagged Clone  
**Tag:** Tag Free  
**Symbol:** Chst11  
**Synonyms:** 1110020P09Rik; C4s; C4ST; C4ST-1; C4ST1  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Cell Selection:** Neomycin  
**Fully Sequenced ORF:** >MC210179 representing NM\_021439  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**GCGATCGCC**

ATGAAGCCGGCGTCTGGAAGTGATGAGGATGAACAGAATTTGCCGGATGGTGTGCCACTTGCTTCG  
 GATCCTTTATCTTGGTCATCTTCTATTTCCAAAGTATGTTGCACCCAGTCATGCGGAGGAACCCCTTCGG  
 TGTGGACATCTGCTGCCGAAGGGATCGAGAAGTCCCCTGCAGGAGCTCTACAATCCCATCCAGCTGGAG  
 CTATCCAACACTGCCATCCTGCACCAGATGAGACGGGACCAGGTGACAGACACCTGCCGGCCAACAGTG  
 CCATGAGCCGCAAGCGCAGGGTCTGACCCCAACGACCTGAAGCACCTGGTGGTGGATGAGGACCACGA  
 ACTCATCTACTGTATGTGCCAAGGTAGCGTGCACCAACTGGAAGAGGCTCATGATGGTCTGAGTGGC  
 CGGGGCAAGTACAGCGATCCCATGGAGATCCCAGCCAACGAAGCCACGTGTCGGCCAACCTGAAGACCC  
 TTAACCAAGTACAGCATCCCAGAGATCAACCACCGCTTGAAAAGCTACATGAAGTTCCTGTTCTGTCGGGA  
 ACCCTTCGAGAGGCTGGTGTCTGCCTACCGCAACAAGTTCACGCAGAAGTACAACACCTCCTTCCACAAG  
 CGCTACGGCACCAGATCATCCGACGCCAGCGGAAGAACGCCACGCAGGAGGCCCTGCCAAGGGGGACG  
 ATGTCAAGTTCGAGGAGTTCGTGGCTACCTCATCGACCCACACCCAGCGGGAGGAGCCCTCAACGA  
 GCACTGGCAGACGGTCTACTCTCTGCCACCCGTGCCACATCCACTACGACCTCGTGGCAAGTATGAG  
 ACACTGGAGGAGGACTCCAATTACGTACTGCAGCTGGCCGGAGTGAAGGCTACCTGAAGTTCACCACT  
 ATGCAAGTCCACCCGAACCTACCGACGAGATGACCACGGAGTTCTTCCAGAACATCAGCGCCGAGACCA  
 GACACAGCTGTACGAAGTCTACAACTGGACTTTTTAATGTTCAACTACTCAGTGCCAACTACCTGAAG  
 TTGGATTAG

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** SgfI-MluI  
**ACCN:** NM\_021439



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<b>Insert Size:</b>	1059 bp
<b>OTI Disclaimer:</b>	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).
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<u><a href="#">NM_021439.2</a></u> , <u><a href="#">NP_067414.2</a></u>
<b>RefSeq Size:</b>	5532 bp
<b>RefSeq ORF:</b>	1059 bp
<b>Locus ID:</b>	58250
<b>UniProt ID:</b>	<u><a href="#">Q9JME2</a></u>
<b>Cytogenetics:</b>	10 C1
<b>Gene Summary:</b>	Catalyzes the transfer of sulfate to position 4 of the N-acetylgalactosamine (GalNAc) residue of chondroitin. Chondroitin sulfate constitutes the predominant proteoglycan present in cartilage and is distributed on the surfaces of many cells and extracellular matrices. Can also sulfate Gal residues in desulfated dermatan sulfate. Preferentially sulfates in GlcA->GalNAc unit than in IdoA->GalNAc unit. Does not form 4, 6-di-O-sulfated GalNAc when chondroitin sulfate C is used as an acceptor.[UniProtKB/Swiss-Prot Function]