

## Product datasheet for MC211181

### Chst9 (NM\_199055) Mouse Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Chst9 (NM_199055) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Chst9
Synonyms:	5430438D01Rik
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
Fully Sequenced ORF:	>MC211181 representing NM_199055 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGGATCGCC**

ATGAAAGCCAAACAAGTCTTCTTTCTGTCTGCTGTTGGGACAGCAGGGCTTCTGCTCTTCATGTACT  
TGCAAGCATGGATTGAAGAACATCATACAGGGAAAATAGAGAAGAAAAGAGATCAGAAAGGAGTATCGGT  
GACTACGGGAAAATCCAGAAACAGATCACGAATCAGAATCTGAGGTTACATGCCTGAAGATCTGAAG  
AAGAAAGGGGAGATCTGCTCAACCTAGGGAGTCCAACAAGGGTTTTAAGGAAGATCAGCCATTCACAAA  
GGGAGAACGGAGCTTACAGATCAACTGAAGCACATCAAGGAGCTAAAATTGAAGTTTTTCAGAAACCCAT  
CCAGATGGACTGGCCACTGGTCACTCAGCCCTTAAACAAAAGTTTGGTCCAAGGCAACAAATGGAAGAAA  
GCAGATGCAACCCAAGAGAAGCGTCGGTCATTCCTTCAATGAGTTTTGCAAGAAATATGGTAGAGTAAATG  
ATCCCAAGTTCAACCTTTTTCATATAGTATCTAGGATATATGTAGAAGACAAACACAAAATCCTGTACTG  
TGAAGTACAAAAGCTGGCTGCTCTAATTGAAAAGAATTCTGATGGTCCTAAATGGATTGGCTTCTCT  
GCATAAATATCTCCCATGATACTGTGCATATGGGAAGCATCTGAAAACACTGGATAGTTTTGACTTAA  
AAGGAGTACACATGCGTTTTGAATACATATACCAAAGCTGTGTTTTGTTAGAGATCCCATGGAAGATTAGT  
CTCCGCATTTAGGATAAATTTGAGCATCCCAATAGTTACTACCATCCGGTGTTTTGAAAAGGCAATTATC  
AAGAAATATCGACCAAATGCCTCTGCAGAAGCATTAAATAATGGATCTGGAGTCAAATTCAAAGAATTTCG  
CCTACTATTTGCTGGATGCTCACCGTCCAGTAGGAATGGATATTCAGTGGAAAGAGTCAAGCAACTGTG  
TTATCCGTGTTTATCAACTATGACTTTGTAGGGAAGTTTGTAGACCTTAGGAGAGGATGCCAATTACTTT  
CTACAGTTGATTGGTCTCCAAAAGAGTTGACATTTCCAACTTTAAGGATAGGCACTCCTCTGATGAAA  
GAACCAATGCCACGTGGTAAGGCAGTATTTAAAGGACCTGAGCACAGCCGAAAGACAGCTCATCTATGA  
CTTCTACTTGGACTATTTGATGTTTAAATACACAACCTCCACATTTG**TAA**

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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<b>Restriction Sites:</b>	Sgfl-Mlul
<b>ACCN:</b>	NM_199055
<b>Insert Size:</b>	1242 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>	<a href="#">NM_199055.2</a> , <a href="#">NP_951010.1</a>
<b>RefSeq Size:</b>	1369 bp
<b>RefSeq ORF:</b>	1242 bp
<b>Locus ID:</b>	71367
<b>UniProt ID:</b>	<a href="#">Q76EC5</a>
<b>Cytogenetics:</b>	18 A1
<b>Gene Summary:</b>	Catalyzes the transfer of sulfate to position 4 of non-reducing N-acetylgalactosamine (GalNAc) residues in both N-glycans and O-glycans. Participates in biosynthesis of glycoprotein hormones lutropin and thyrotropin, by mediating sulfation of their carbohydrate structures. Has a higher activity toward carbonic anhydrase VI than toward lutropin. Only active against terminal GalNAcbeta1, GalNAcbeta. [UniProtKB/Swiss-Prot Function]