

## Product datasheet for MC205469

### Chst3 (NM\_016803) Mouse Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Chst3 (NM_016803) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Chst3
Synonyms:	C6ST; C6ST-1; GST-0
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)

**Fully Sequenced ORF:** >BC055055  
 CTTAGCCACTGAACCATCTCTCCAGCCTCTGTTTTGGGGTGTGTTGTTGAGACAGAATCAAAGGCTGGT  
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 ACTTAGGTTTTGAGAGTGGGCTGAGGTCTCTTCAAAGTTTTATAGAAAGATGTCTCTGTTCCCTGT  
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CCTCTTTGGCTACAAGTTGGCCAGGGATGCCGCCTCACTACCAACCGCTCCATCAGCCTGCTGGAGGAG  
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TCCTGCCTCATGGCTAAATGGTACAGGACATCTTCCCAGACTGAGTGGTCATGGCATGTGCATGTATGTT
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CACAACTCTTTCTGTCATTGACCTTCTTGGTCTTCTTGTAGCCACAGATAATCTTCCAATGCCCGATTC
TGCTGTTCTCATCTGAGAGCTGACAACCCAGCGCTCAGAGTAGAGTTCATGACCTAGGAAACCCTTCTCC
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TAATGAGTTCTGGTCCCCTCTTCTGGCATGCAGGTGTACATGCAGATAGAGCACTCCTATGCATAAAATA
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<b>Restriction Sites:</b>	RsrII-NotI
<b>ACCN:</b>	NM_016803
<b>Insert Size:</b>	1419 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="#">BC055055</a> , <a href="#">AAH55055</a>
<b>RefSeq Size:</b>	6000 bp
<b>RefSeq ORF:</b>	1419 bp
<b>Locus ID:</b>	53374
<b>UniProt ID:</b>	<a href="#">O88199</a>
<b>Cytogenetics:</b>	10 B4
<b>Gene Summary:</b>	Sulfotransferase that utilizes 3'-phospho-5'-adenylyl sulfate (PAPS) as sulfonate donor to catalyze the transfer of sulfate to position 6 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 of keratan sulfate, another glycosaminoglycan, and the Gal residues in sialyl N-acetyllactosamine (sialyl LacNAc) oligosaccharides. May play a role in the maintenance of naive T-lymphocytes in the spleen.[UniProtKB/Swiss-Prot Function]