OriGene Technologies, Inc.
9620 Medical Center Drive, Ste 200
Rockville, MD 20850, US
Phone: +1-888-267-4436
https://www.origene.com
techsupport@origene.com
EU: info-de@origene.com
CN: techsupport@origene.cn

Product datasheet for MC202009

Chst2 (NM_018763) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Chst2 (NM_018763) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Chst2
Synonyms:	AI428561; AW121776; C130041E03Rik; Chts2; GlcNAc6ST; Gn6st; GST-2
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)

View online »

Fully Sequenced ORF:

>BC051963 sequence for NM_018763
AGAGAAACCGAGGAGAGTGCTAGCCGGACAGTCCGCCGGTCGGGGATCTGGGGACGCTCCGAGGCGCACC
CTCCGCTCCAGGTCCTTCTCGGAGCCGCTGCCATGGGAGAGCCAGCCCTGGGCGCCGGGGACCAGCAGCC
TCTGCCGCCGCGCCCGCCTCGGATCGGCGGCCCCAGTCCCGGCGCCCGCAGCCGGCCTGCAGCGTCCCCC
TCCTGGGCTGCAGGGCCGCCTCCGCCGCGCCGCCGGCCCCGGCTGTGCCTGTGATGAGCCGCAGCTCGCC
GCGAGCTCTGCCCCCCGGTGCGCTTCCCCGGCCGCTGCCGGCCGCGCCTGCCGCCGTGCAGCGGGCCCTG
CTCCCGCCGTGGCCCCGGCGCGCAGGACGCCGCTGGCCTGCGTCCCCGCTCGGGATGAAGGTATTTCGCA
GGAAGGCGCTGGTGCTGTGCGCGGGCTATGCACTGCTACTGGTGCTCACGATGCTCAACCTCTTGGACTA
CAAGTGGCATAAAGAGCCGCTGCAGCAGTGCAACCCCGACGGGCCTCTGGGTGCCGCGGTAGGGGCGGCC
GGGGCCGGCTGGGGACGGCCGGGGTCGCCTCCTGCAGCGCCACCCCGCGCTCACTCTCGCATGGACCCCC
GCACCCCGTACCGCCCTCCTGCCGCGGGCGTGGGGGCAGTTCCCGCAGCCGCGGCTGGGAGTGCAGGAGC
TGCGGCCTCTCTGGGCAATGCTACTCGAGGCACCAGGGGTGGAGGGGACAAGCGGCAGTTGGTGTATGTG
TTCACCACGTGGCGCTCGGGCTCGTCCTTCTTCGGTGAGCTCTTCAACCAGAACCCTGAGGTGTTCTTCC
TCTATGAGCCTGTGTGGCACGTGTGGCAAAAACTGTACCCCGGGGACGCCGTTTCCCTGCAGGGGGCAGC
GCGGGACATGCTGAGCGCTCTCTACCGCTGCGATCTTTCGGTTTTCCAGCTGTATAGCCCCGCAGGCAGT
GGGGGGCGCAACCTCACCACTCTGGGCATCTTTGGGGCAGCCACTAACAAGGTGGTATGCTCCTCGCCAC
TCTGTCCTGCCTACCGCAAGGAGGTCGTCGGACTGGTGGACGACCGCGTGTGCAAAAAGTGCCCACCTCA
ACGCCTGGCACGCTTCGAGGAGGAGTGTCGCAAGTACCGCACGCTGGTTATCAAGGGCGTGCGGGTCTTC
GATGTGGCTGTGTTGGCGCCGCTGCTTAAAGATCCAGCCTTGGACCTCAAGGTCATCCACCTAGTACGTG
ATCCTCGTGCTGTTGCCAGCTCCCGCATCCGCTCGCGTCACGGCCTCATCCGGGAAAGCCTACAGGTGGT
GCGAAGCCGGGATCCAAGAGCCCACCGCATGCCCTTCCTGGAGGCTGCTGGCCACAAGCTTGGTGCCAAG
AAGGAGGGTATGGGTGGCCCAGCAGACTACCACGCTCTGGGTGCAATGGAGGTCATCTGCAACAGTATGG
CCAAGACGCTGCAAACAGCCCTGCAGCCTCCTGACTGGCTGCAGGGACACTACTTGGTGGTGAGGTACGA
GGATCTGGTGGGAGACCCCGTTAAGACCCTACGGAGGGTATATGACTTTGTGGGGCTGCTGGTGAGTCCC
GAAATGGAGCAGTTTGCCCTGAACATGACCAGTGGTTCGGGCTCCTCCTCCAAGCCTTTCGTGGTGTCAG
CTCGCAATGCCACTCAGGCCGCCAATGCCTGGCGGACCGCGCTCACCTTCCAGCAGATCAAACAGGTGGA
GGAGTTTTGCTACCAGCCCATGGCCGTGCTGGGCTATGAGCGGGTTAACAGTCCTGAGGAGGTCAAAGAC
CTCAGCAAGACCTTGCTCAGGAAGCCCCGGCTTTGAGAAGGGTTCCCAAGAGATCTGACACTCTCCGGAG
ACACCCACAAAAAGGATGGTGTTGTGTTTAAACAAACACAGCCCAGACCCAAGCTGAGGAAGCCCACATA
TTCTATTATAGATATATAATATAAATAACCACACAGGCACTTGCTGTCAACGTTTTGAGTCAGTGCATTT
CAAGGAACAGCCCTCAACTCACACGTGCAAACACACACACACACACACACACACACACACACACACACAC
ACACACACACACACCCCTCAGAAAAGGCAAGACTTGAAAGTTCTGACAGATTGCCCTGTGTCCCTGTCTC
TTCTCCCTCTCTCCTTCCTCCCTCTTTCCCTCCTCCCTTCCATATTGAAGTGGAATGTTGATAAATCAAG
TTCCAGTAACCCAAATCTTGTTTACAAAATTTTCGTGGTATCTGTGAATGTGTAAGAGTAATTTGGATGT
GGGATGGGGTGGGTGGAGAAGGGGGAAGTGACCCCCAGAGCAGAAAGCCCCCACTGGGCTGGTAAATCAA
GGAGGCAGGTCTTCAAAGTAGACTTTTGTGTCAGCAAAGGTTATATGTGAGTATTAATAAAGAAGATAAT
AAATAATAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA

Restriction Sites: AscI-NotI

ACCN: NM_018763

Insert Size: 1452 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:	BC051963, AAH51963
RefSeq Size:	2501 bp
RefSeq ORF:	1452 bp
Locus ID:	54371
UniProt ID:	Q80WV3
Cytogenetics:	9 E3.3
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 within keratan-like structures on N-linked glycans and within mucin-associated glycans that can ultimately serve as SELL ligands. SELL ligands are present in high endothelial cells (HEVs) and play a central role in lymphocyte homing at sites of inflammation. Participates in biosynthesis of the SELL ligand sialyl 6-sulfo Lewis X and in lymphocyte homing to Peyer patches. Has no activity toward O-linked sugars. Its substrate specificity may be influenced by its subcellular location. Sulfates GlcNAc residues at terminal, non-reducing ends of oligosaccharide chains.[UniProtKB/Swiss-Prot Function]