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Product datasheet for MC202940

Chst7 (NM_021715) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Chst7 (NM_021715) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Chst7
Synonyms:	2600013M07Rik; C6ST-2; glcNAc6ST-4; Gn6st-4; GST5
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)

View online »

Fully Sequenced ORF:

>BC019204 sequence for NM_021715
CCACGCGTCCGCGGACGCGTGGGTCGACCCACGCGTCCGCCCAACATTGAGGGAGACCCGAAGAGGCCGG
AGCCGAGGACTTTGGGCTGGGTTTTCTGGACAGAACCAGCAGGCGCCTACTCTGCTCTGGGTGGGGAGAG
TGAGGATTCGGTGAACTATGAAGGGCCGGCGGCGGCGGCGCCGAGAGTATTGCAAGTTCACGCTGCTCTT
GGCGCTGTACACGCTTTTGCTACTTCTTGTCCCCTCTGTACTGGACAGCCACAGCGAGCAGGACAAGGGC
AGGAACTGCCCCGGCCTGCAGCGCAGCTTGGGTGTGTGGAGCCTGGAGGCGGCGGCGGCCGGGGAACGTG
AGCAGGGCGCTGAGGTGCGGTCCCTGGCCGAAGGAAACCCGGATCGATCCCCCGGGTCCCCCGGCAACCT
CAGCGCCGTCGGTGAGGCGGTGACCCAGGAAAAGCAACACATCTATGTGCATGCCACCTGGCGCACCGGC
TCGTCCTTCTTGGGCGAACTCTTCAACCAGCACCCGGACGTTTTCTACTTGTACGAGCCCATGTGGCATC
TGTGGCAGGCACTGTATCCGGGCGACGCGGAGAGCCTGCAGGGCGCACTAAGAGACATGCTGCGCTCCCT
CTTCCGCTGTGATTTCTCTGTGCTGCGCCTGTACGCGCAGCCTGGGGACCCTGGGGAGCGAGCACCGGAC
TCGGCCAACCTCACCACGGCCATGCTTTTCCGCTGGCGGACCAACAAGGTCATCTGCTCGCCGCCTCTGT
GCCCCGCCGCGCCCCGGGCACGCGCGGACGTGGGACTCGTCGAGGACAAAGCCTGCGAAAGTACCTGCCC
GCCCGTTTCGCTCCGCGCCCTGGAGGCCGAGTGCCGCAAGTACCCGGTGGTGGTCATCAAAGACGTGCGG
CTACTGGACCTGGGAGTGCTGGTCCCTCTGCTGCGTGACCCAGGCCTCAACCTAAAGGTGGTGCAACTCT
TCCGAGACCCTCGGGCCGTGCACAACTCGCGCCTCAAGTCGAGGCAGGGACTGCTGCGCGAAAGCATCCA
GGTGCTGCGCACGCGCCAGAGGGGCGACCACTTCCACCGGGTGCTGCTGGCGCATGGAGTGGATGCCCGT
CCGGGAGGCCAGGCCCGGGCTCTGCCCTCGGCGCCACGCGCTGATTTCTTCTTAACCAGCGCGCTTGAGG
TGATCTGTGAAGCGTGGCTTCGCGACCTGCTATTCACCCGCGGCGCGCCCGCCTGGCTGAGGCGTCGCTA
CCTGCGGCTGCGTTATGAGGACCTGGTGTGGCAGCCCCAAGCCCAGCTGCGCCGCCTGCTGCGCTTCTCT
GGGTTGCGGACACTCGCCGCGCTTGATGCCTTCGCATTCAATATGACGCGGGGCTCGGCCTACGGCGCCG
ATCGTCCCTTCCACTTGTCTGCGCGGGACGCCCGAGAGGCTGTGCACGCCTGGCGCGAACGTCTGAGCCA
AGAGCAGGTGCGCCAAGTGGAAACCGCCTGCGCCCCTGCCATGCGTCTGCTTGCCTACCCTCGAAGTGGG
GACGAACGCGACAGGAAGACCGTCAGGGAAGGGGAGACACCACTGGAGACCAAGGCCAATTGGGCTGTGT
AATACCCTGATCCCTGAACCCTGCCCCGGGGCGTATTCAGGTCAGTGGCCATAAAAAGGTGAACTCAGCA
TGCTGCCCCCGCACTGGAGAGGCTGCACGGTGGAGGCGATCTATCACACTGTGAGACACTGGGACTGATT
TGGTATCAACTGCTGTGCCATTCTCCTGGTCAGGAGCATCACAAGCTGTTAAGTAATGACAGACACCTTG
GCTGAGATGAAGTTTCCAGAAAGGAAGTAACAGTGCAATGTGGATATTTGTGACCACAACATAGGAAAAG
CTGTACTTCCCAGGCTGAACTTGGCTCAGCTTGAGCCATTTCAACAAGGCATCCTCACAATAATGAAGAG
ATGTGATCTGGTTTCCTTTCACATCAGCAGATGTCTGGACAAAACCATCAATGTGAATAAGGGCCAAGTG
CAGTTGTGTCTCTCTTGATTAAATTACTTCATATTAAATAAAAGGTCTGGCTGGTATTGTTTCCTAAAGG
CCTCACCCAGCTCTCCTTCAATTAGCAGTCTTCCTGTAGAACCATTTTCTAAACAATTTTCTCTGGTGGG
TAAGAGAGGTGTAATAAACTAAAACTTTGTTTTCAAAAAAAAAAAAAAA

Restriction Sites: RsrII-NotI

ACCN: NM_021715

Insert Size: 1455 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:	BC019204, AAH19204
RefSeq Size:	2219 bp
RefSeq ORF:	1455 bp
Locus ID:	60322
UniProt ID:	Q9EP78
Cytogenetics:	X A1.3
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. Preferentially acts on mannose-linked GlcNAc. Also able to catalyze the transfer of sulfate to position 6 of the N-acetylgalactosamine (GalNAc) residue of chondroitin. Also acts on core 2 mucin-type oligosaccharide and N-acetyllactosamine oligomer with a lower efficiency. Has weak or no activity toward keratan sulfate and oligosaccharides containing the Galbeta1-4GlcNAc. Catalyzes 6-O-sulfation of beta-benzyl GlcNAc but not alpha- or beta-benzyl GalNAc.[UniProtKB/Swiss-Prot Function]