

Product datasheet for RN215236

Chst11 (NM_001108079) Rat Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Chst11 (NM_001108079) Rat Untagged Clone
Tag: Tag Free
Symbol: Chst11
Synonyms: C4ST1
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >RN215236 representing NM_001108079
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGAAGCCGGCGTCTGGAAGTGATGAGGATGAACAGAATTTGCCGGATGGTGTGCCACTTGCTTGG
GATCCTTTATCTTGGTCATCTTCTATTTCCAAAGTATGTTGCACCCAGTCATCGGAGGAATCCCTTTGG
CGTGGACATCTGCTGCCGAAGGGTCTCGGAGTCCACTGCAGGAGCTCTACAATCCCATCCAGCTGGAG
CTCTCAAACACTGCCATCCTGCACCAGATGAGACGGGACCAAGTGACAGACACCTGCCGGCCAACAGCG
CCATGAGCCGCAAGCGCAGGGTGTGACCCCAACGACCTGAAGCACCTGGTGGTGGATGAGGACCACGA
ACTCATCTACTGTATGTACCCAAGGTGGCGTGCACCAACTGGAAGAGGCTCATGATGGTCTGAGCGGC
CGGGGCAAGTACAGCGACCCCATGGAGATCCCAGCCAACGAGGCCACGTGTCGGCCAACCTGAAGACCC
TTAACCAGTACAGCATCCCAGAGATCAACCACCGCTTGAAAAGCTACATGAAGTTCCTGTTCTGCGGGGA
GCCCTTCGAGAGGCTGGTGTCTGCCTACCGCAACAAGTTCACGCAGAAGTACAACACCTCCTCCACAAG
CGCTACGGCACGAAGATCATCCGGCGCCAGCGGAAGAACGCCACGCAGGAGGCCCTGCCAAGGGGGACG
ATGTCAAGTTCGAGGAGTTCGTGGCTACCTCATCGACCCACACCCAGCGGAGGAGCCCTCAACGA
GCACTGGCAGACGGTCTACTCCCTCTGCCACCCATGCCACATCCACTACGACCTCGTGGCAAGTACGAG
ACGCTGGAGGAGGACTCCAATTACGTACTGCGGCTGGCCGGGTGAGCGGCTACCTGAAGTTCACCCACT
ATGCAAAGTCCACCCGAACCTACCGACGAGATGACCACGGAGTTCTCCAGAACATCAGCGCCGAGACCA
GACACAGCTGTACGAAGTCTACAAACTGGACTTTTTAATGTTCAACTACTCAGTGCCAAACTACCTGAAG
TTGGATTAG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAAGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_001108079



Insert Size:	1059 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:	<ol style="list-style-type: none">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:	<u>NM_001108079.1</u> , <u>NP_001101549.1</u>
RefSeq Size:	1989 bp
RefSeq ORF:	1059 bp
Locus ID:	314694
UniProt ID:	<u>P69478</u>
Cytogenetics:	7q13
Gene Summary:	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 (By similarity).[UniProtKB/Swiss-Prot Function]