

Product datasheet for MR216556

Chst9 (NM_199055) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Chst9 (NM_199055) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Chst9
Synonyms:	5430438D01Rik
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR216556 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGAAAGCCAACAAGTCTTCTTTCTGCTCTGCTGTTTGGGACAGCAGGGCTTCTGCTCTTCATGTACT
TGCAAGCATGGATTGAAGAACATCATACAGGGAAAATAGAGAAGAAAAGAGATCAGAAAGGAGTATCGGT
GACTACGGGAAAATCCAGAAACAGATCATGAATCAGAACTCTGAGGTTACATGCCTGAAGATCTGAAG
AAGAAAGGGGAGATCTGCTCAACCTAGGGAGTCCAACAAGGGTTTTAAGGAAGAACAGCCATTCACAAA
GGGAGAACAGAGCTTACAGATCAACTGAAGCACATCAAGGAGCTAAAATTGAAGTTTTTCAGAAACCCAT
CCAGATGGACTGGCCACTGGTCACTCAGCCCTAAACAAAAGTTTGGTCCAAGGCAACAAATGGAAGAAA
GCAGATGCAACCAAGAGAAGCGTCGGTCACTTCTTCATGAGTTTTGCAAGAAATATGGTAGAGTAAATG
ATCCCAAGTTCAACCTTTTTCATATAGTATCTAGGATATATGTAGAAGACAAACACAAAATCCTGTACTG
TGAAGTACAAAAGCTGGCTGCTCTAATTGAAAAAATCTGATGGTCTAAATGGATTGGCTTCTCTCT
GCATACAATATCTCCCATGATACTGTGCACTATGGAAAGCATCTGAAAACACTGGATAGTTTTGACTTAA
AAGGAGTACACATGCGTTTTAAATACATATACCAAAGCTGTGTTTGTAGAGATCCCATGGAAGATTAGT
CTCCGCATTTAGGGATAAATTTGAGCATCCCAATAGTTACTACCATCCGGTGTGGAAAGGCAATTATC
AAGAAATATCGACCAAATGCCTCTGCAGAAGCATTAAATATGGATCTGGAGTCAAATTCAAAGAATTCTG
CCTACTATTTGCTGGATGCTCACCCTCCAGTAGGAATGGATATTCAGTGGAAAGAGTCAGCAAACACTGTG
TTATCCGTGTTTGTCACTATGACTTTGTAGGGAAGTTTGTAGACCTTAGGAGAGGATGCCAATTACTTT
CTACAGTTGATTGGTGTCCAAAAGAGTTGACATTTCCAACTTTAAGGATAGGCACTCCTCTGATGAAA
GAACCAATGCCACGTGGTAAGGCAGTATTTAAGGACCTGAGCACAGCCGAAAGACAGCTCATCTATGA
CTTCTACTTGGACTATTTGATGTTTAAATTACACAACCTCCACATTTG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



Protein Sequence: >MR216556 protein sequence
 Red=Cloning site Green=Tags(s)

MKAKQVFFSVLLFGTAGLLLFMYLQAWIEEHHTGKIEKKRDQKGVSVTTGKIQKQIMNQNSEVHMPEDLK
 KKGDDLNLGSPTRVLRKNSHSQRENRAYRSTEAHQGAKIEVFQKPIQMDWPLVTQPLNKSQVQGNKWKK
 ADATQEKRSSFLEHFCCKYGRVNDPKFNLFHIVSRIYVEDKHKILYCEVPAKAGCSNWKRIIMVLNGLASS
 AYNI SHDTVHYGKHLKTLDSFDLKGVMRLNTYTKAVFVRDPMERLVSFAFRDKFEHPNSYHPVFGKAI I
 KKYRPNASAEALNNGSGVKFEFAYYLLDAHRPVGMDIHWERVSKLCYPCLINYDFVGKFETLGEDANYF
 LQLIGAPKELTFPNFKDRHSSDERTNAHVVRQYLKDLSTAERQLIYDFYHLDYLMFNYYTTPHL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: NM_199055

ORF Size: 1242 bp

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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: [NM_199055.1](#), [NM_199055.2](#), [NP_951010.1](#)

RefSeq Size: 1369 bp

RefSeq ORF: 1242 bp

Locus ID: 71367

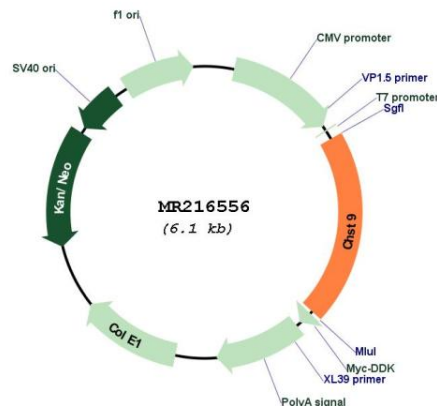
UniProt ID: [Q76EC5](#)

Cytogenetics: 18 A1

MW: 48.1 kDa

Gene Summary: 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]

Product images:



Circular map for MR216556