

Product datasheet for **MC217693**

Cmah (BC055079) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Cmah (BC055079) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Cmah
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >BC055079
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGATGGACAGGAAACAGACAGCTGAGACCCTGCTGACCCTGCTCCTGCTGAAGTTGCCAACCTCAAGG
 AAGGGATCAATTTTTTCGAAATAAGACTACTGGGAAAGAGTACATTTTATACAAGGAGAAGGACCATCT
 AAAGGCATGCAAGAACCTCTGCAAGCACCAGGGAGGCCTGTTTCATGAAAGACATCGAGGATTTAGATGGA
 AGGTCCGTTAAATGCACAAAGCACAACCTGGAAGTTAGACGTGAGCACCATGAAATATATCAACCCTCCAG
 GGAGCTTCTGTCAAGACGAGCTCGTTATTGAAATGGATGAAAACAATGGGCTTTCCCTGGTAGAACTGAA
 CCCTCCTAACCCCTGGGACTCTGATCCCAGGTCTCCTGAAGAATTAGCTTTTGGGAAAGTACAGATAACA
 TATCTCACTCATGCCTGCATGGACCTCAAGTTGGGAGACAAGCGAATGGTATTTGACCCTTGTTAATTG
 GCCCTGCTTTGCCCGAGGATGGTGGTGTACATGAGCCTCCATCTGACTGGTTGGAGAGGCTGTGCAA
 AGCAGACCTCATTATATCAGCCACATGCACTCAGACCACCTGAGCTACCCTACCCTGAAGCAGCTTTCC
 CAGAGACGACCAGACATTCCTTTATGTTGGCGACACAGAAAGGCCTGTGTTTTGGAACCTGGATCAGA
 GTGGCGTCGGGTTAACTAACATCAACGTGGTTCATTTGGAATATGGCAACAGGTAGACAAAAGTCTGCG
 GTTCATGATCTTGATGGACGGCTTCATCCTGAGATGGACACATGCATTATCGTGGAGTACAAAAGAGGAA
 TGGAAAGCCCAGTTCATTAAGGCTGAAAGAAGAAAGCTTCTGAATTACAAAGCTCAGCTGGTGAAGGACC
 TGCAGCCCCGAATCTACTGTCCGTTTGTGGGTACTTTGTGGAGTCTCATCCATCTGACAAGTACATTAA
 GGAACAAACACCAAAAAATGACCCAAATCAGCTCAACAATCTTATCAGGAAAACTCTGACGTGGTGACA
 TGGACCCACGACCTGGCGCTGTCTCGACCTTGGCAGGATGCTGAAGGACCCACAGACAGCAAGGGCA
 TTGTGGAGCCTCCAGAGGGGACAAAGATTTACAAGGATTCCTGGGACTTTGGCCCGTACCTGGAGATCTT
 GAATTCGTCTCAGAGATGAAATCTTCTGTTCATTCCTGGATTAAAGAGTACTTCACGTGGGCTGGA
 TTTAAGAATTACAACCTGGTGGTCAGGATGATTGAAACAGATGAAGATTTAGCCCTTTTCTGGAGGGT
 ACGACTATCTGGTGGACTTTCTAGATTTATCCTTTCCGAAAGAAAGACCCAGCCGGGAGCATCCTTATGA
 AGAAACCCATAGCCGGGTGGATGTCATCAGGTACGTGGTGAAGAACGGCCTGCTGTGGGATGATCTGTAT
 ATTGGATTCCAGACCCGATTGCTGCGGGACCCTGATATATACCATCATCTGTTTTGGAACCATTTTCAGA
 TAAACTCCCTTAACACCACCAACTGGAAGTCGTTCTAATGCACTGTGATTAG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCTGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: Sgfl-Mlul

ACCN: BC055079

Insert Size: 1596 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: [BC055079](#), [AAH55079](#)

RefSeq Size: 2995 bp

RefSeq ORF: 1595 bp

Locus ID: 12763

Cytogenetics: 13 A3.1

Gene Summary: Sialic acids are components of carbohydrate chains of glycoconjugates and are involved in cell-cell recognition and cell-pathogen interactions. Catalyzes the conversion of CMP-N-acetylneuraminic acid (CMP-Neu5Ac) into its hydroxylated derivative CMP-N-glycolylneuraminic acid (CMP-Neu5Gc), a sialic acid abundantly expressed at the surface of many cells.[UniProtKB/Swiss-Prot Function]