

Product datasheet for **MC228356**

Cmah (NM_001284519) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Cmah (NM_001284519) 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: >MC228356 representing NM_001284519
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGATGGACAGGAAACAGACAGCTGAGACCCTGCTGACCCTGTCTCCTGTGAAGTTGCCAACCTCAAGG
 AAGGGATCAATTTTTTCGAAATAAGACTACTGGGAAAGAGTACATTTTATACAAGGAGAAGGACCATCT
 AAAGGCATGCAAGAACCCTCTGCAAGCACCAGGGAGGCCTGTTTCATGAAAGACATCGAGGATTTAGATGGA
 AGGTCCGTTAAATGCACAAAGCACAACCTGGAAGTTAGACGTGAGCACCATGAAATATATCAACCCTCCAG
 GGAGCTTCTGTCAAGACGAGCTCGTTATTGAAATGGATGAAAACAATGGGCTTTCCCTGGTAGAACTGAA
 CCCTCCTAACCCCTGGGACTCTGATCCCAGGTCTCCTGAAGAATTAGCTTTTGGGAAAGTACAGATAACA
 TATCTCACTCATGCCTGCATGGACCTCAAGTTGGGAGACAAGCGAATGGTATTTGACCCTGGTTAATTG
 GCCCTGCTTTGCCCGAGGATGGTGGTGTACATGAGCCTCCATCTGACTGGTTGGAGAGGCTGTGCAA
 AGCAGACCTCATTATATCAGCCACATGCACTCAGACCACCTGAGCTACCCTACCCTGAAGCAGCTTTCC
 CAGAGACGACCAGACATTTCCATTTATGTTGGCGACACAGAAAGGCCTGTGTTTTGGAACCTGGATCAGA
 GTGGCGTCGGGTTAACTAACATCAACGTGGTTCATTTGGAATATGGCAACAGGTAGACAAAAGTCTGCG
 GTTCATGATCTTGATGGACGGCTTTCATCCTGAGATGGACACATGCATTATCGTGGAGTACAAAAGTTCAT
 AAAATACTCAACACAGTGGACTGCACCAGACCCAAATGGGGGAAGGCTTCTGAGAAAAGTTGCTCTAATGA
 TGAGTGATTTTCGAGGAGGTGCATCAGGCTTTCCAATGACTTTCAGTGGTGGAAAATTTACTGAGGAATG
 GAAAGCCCAGTTCATTAAGGCTGAAAGAAGAAAGCTTCTGAATTACAAGCTCAGCTGGTGAAGGACCTG
 CAGCCCCGAATCTACTGTCGGTTTGTGGTACTTTGTGGAGTCTACCCATCTGACAAGTACATTAAGG
 AAACAAACACAAAAAATGACCCAAATCAGCTCAACAATCTTATCAGGAAAACTGACGTGGTGACATG
 GACCCACGACCTGGCGCTGTCCTCGACCTTGGCAGGATGCTGAAGGACCCAACAGACAGCAAGGGCATT
 GTGGAGCCTCCAGAGGGGACAAAGATTTACAAGGATTCCTGGGACTTTGGCCCGTACCTGGAGATCTTGA
 ATTCTGTGTGAGAGATGAAATCTTCTGTCAATCCTGGATTAAGAGTACTTCACGTGGGCTGGATT
 TAAGAATTACAACCTGGTGGTCAAGGATGATTGAAACAGATGAAGATTTTCAGCCCTTTTCTGGAGGGTAC
 GACTATCTGGTGGACTTTCTAGATTTATCCTTTCCGAAAGAAAGACCCAGCCGGGAGCATCCTTATGAAG
 AAATCCATAGCCGGTGGATGTCATCAGGTACGTGGTGAAGAACGGCCTGCTGTGGGATGATCTGTATAT
 TGGATTCCAGACCCGATTGCTGCGGGACCCTGATATATACCATCATCTGTTTTGGAATCATTTTCAGATA
 AAACCTCCTTAACACCACCAACTGGAAGTCGTTCTCAATGCCTGTGAT**TAG**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** SgfI-MluI
- ACCN:** NM_001284519
- Insert Size:** 1734 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).
- OTI Annotation:** Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
- 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:	NM_001284519.1 , NP_001271448.1
RefSeq Size:	9909 bp
RefSeq ORF:	1734 bp
Locus ID:	12763
UniProt ID:	Q61419
Cytogenetics:	13 A3.1
Gene Summary:	<p>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]</p> <p>Transcript Variant: This variant (3) represents the longest transcript and encodes the longer isoform (a). Variants 1, 2, and 3 encode the same protein. Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.</p>