

Product datasheet for **MC201099**

Hexa (NM_010421) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Hexa (NM_010421) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Hexa
Synonyms:	Hex-1
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >BC010755 sequence for NM_010421
 CTGGAAGGGGAGCTGGCCGGTGGGCCATGGCCGGCTGCAGGCTCTGGGTTTCGCTGCTGCTGGCGGCGG
 GTTGGCTTGCTTGGCCACGGCACTGTGGCCGTGGCCCCAGTACATCCAAACCTACCACGGGCGCTACACC
 CTGTACCCCAACAACCTCCAGTTCGGTACCATGTGAGTTCGGCCGCGCAGGCGGGCTGCGTCGTCTCG
 ACGAGGCTTTTCGACGCTACCGTAACCTGCTCTCGGTTCCGGCTCTTGGCCCCGACCCAGCTTCTCAA
 TAAACAGCAAACGTTGGGAAGAACATTCTGGTGGTCTCCGTCGTACAGCTGAATGTAATGAATTCCT
 AATTTGGAGTCGGTAGAAAATTACACCCTAACCTAATGATGACCACTGTTTACTCGCCTGAGACTG
 TCTGGGGCGCTCTCCGAGGCTGGAGACTTTCAGTCAGCTTGTGGAAATCAGCTGAGGGCACGTTCTT
 TATCAACAAGACAAGATTAAAGACTTTCCTCGATTCCCTCACCGGGCGTACTGCTGGATACATCTCGC
 CATTACCTGCCATTGTCTAGCATCTGGATACACTGGATGTCATGGCATAACAATAAATCAACGTGTTCC
 ACTGGCACTTGGTGGACGACTCTTCCCTCCCATATGAGAGCTTCACTTCCAGAGCTCACCAGAAAGGG
 GTCCTTCAACCCTGTCACTCACATCTACACAGCACAGGATGTGAAGGAGGTCATTGAATACGCAAGGCTT
 CGGGGTATCCGTGTGCTGGCAGAAATTTGACACTCTGGCCACACTTTGCTCTGGGGCCAGGTGCCCTG
 GGTATTAACACCTTGCTACTCTGGGTCTCATCTCTGGCACATTTGGACCGGTGAACCCAGTCTCAA
 CAGCACCTATGACTTCATGAGCACACTTCTCTGGAGATCAGCTCAGTCTTCCCGACTTTTATCTCCAC
 CTGGGAGGGGATGAAGTCGACTTCACTGCTGGAAGTCCAACCCCAACATCCAGGCTTCAATGAAGAAA
 AGGGCTTACTGACTTCAAGCAGCTGGAGTCTTCTACATCCAGACGCTGCTGGACATCGTCTCTGATTA
 TGACAAGGGCTATGTGGTGTGGCAGGAGGTATTTGATAATAAAGTGAAGGTTTCGGCCAGATACAATCATA
 CAGGTGTGGCGGGAAGAAATGCCAGTAGAGTACATGTTGGAGATGCAAGATATCACCAGGGCTGGCTTCC
 GGGCCCTGCTGTCTGCTCCCTGGTACCTGAACCGTGTAAAGTATGGCCCTGACTGGAAGGACATGTACAA
 AGTGGAGCCCCTGGCGTTTCATGGTACGCTGAACAGAGGCTCTGGTCATTGGAGGGGAGGCTGTATG
 TGGGGAGAGTATGTGGACAGCACCAACCTGGTCCCAGACTCTGGCCAGAGCGGGTCCCGTCCGCTGAGA
 GACTGTGGAGCAGTAACCTGACAACTAATATAGACTTTGCCTTTAAACGTTTGTGCGATTTCCGTTGTGA
 GCTGGTGGAGAGGAAATCCAGGCCAGCCATCAGTGTAGGCTACTGTGAGCAGGAGTTTGGAGCAGACT
 TGAGCCACCAGTCTGAACACCCAGGAGTTGCTGTCCTTTGAGTCAGCTGCGCTGAGCACCCAGGAGGG
 TGCTGGCCTTAAGAGAGCAGGTCCCGGGCAGGGCTAATCTTCACTGCCTCCCGCCAGGGGAGAGCAC
 CCCTTGCCCGTGTGCCCTGTGACTACAGAGAAGGAGGCTGGTGTGGCACTGGTGTCAATAAAGATCT
 ATGTGGCATTCTCTAAAAAAAAAAAAAAAAAAAAA

Restriction Sites: RsrII-NotI

ACCN: NM_010421

Insert Size: 1587 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: [BC010755](#), [AAH10755](#)

RefSeq Size: 1858 bp

RefSeq ORF: 1587 bp

Locus ID: 15211

UniProt ID: [P29416](#)

Cytogenetics: 9 32.02 cM

Gene Summary: This gene encodes a member of the glycosyl hydrolase 20 family of proteins. The encoded preproprotein is proteolytically processed to generate the alpha subunit of the lysosomal enzyme beta-hexosaminidase. This enzyme, together with the cofactor GM2 activator protein, catalyzes the degradation of the ganglioside GM2, and other molecules containing terminal N-acetyl hexosamines. Mice lacking the encoded protein exhibit accumulation of gangliosides in the brain and membranous cytoplasmic bodies in neurons. Certain mutations in the human ortholog of this gene cause Tay-Sachs disease. [provided by RefSeq, Aug 2016]