

Product datasheet for **MC217566**

Hexb (NM_010422) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Hexb (NM_010422) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Hexb
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >MC217566 representing NM_010422
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGCCGAGTCCCCGCGTAGCGCCCCGGGCTGCTGCTGCTGCAGGCGCTGGTGTGCTAGTGTGCTGG
 CCTAGTGGCCCCGGCCGACTGCAACCTGCGCTATGGCCCTTCCCGCGCTCGGTGCAGATGTTCCCGCG
 GCTGTTGTACATCTCCGCGGAGGACTTCAGCATCGACCACAGTCCCAATTCACACGCGGGCCCTTCTGC
 TCGCTGTACAGGAGCGTTTCGGCGATATTACAACCTATGTTTTGGTTTCTACAAGAGACATCATGGCC
 CTGCTAGATTTGAGCTGAGCCACAGTTGCAGAAGCTCCTGGTCTCCATTACCCTCGAGTCAGAGTGCGA
 GTCCTTCCCTAGTCTGTCTTTCAGATGAAACCTATTCTCTGCTTGTACAAGAACCAGTAGCCGCTCCTCAAG
 GCCAACAGCGTTTGGGAGCGTTACGAGGTTTAGAGACGTTTAGCCAGTTAGTTTACCAAGACTCTTTCCG
 GGACTTTCACCATCAATGAATCCAGTATAGCTGATTCTCCAAGATTCCCTCATAGAGGAATTTAATTGA
 TACATCTAGACACTTCTGCCTGTGAAGACAATTTAAAACTCTGGATGCCATGGCTTTAATAAGTTT
 AATGTTCTTCACTGGCACATAGTGGACGACCAGTCTTCCCTTATCAGAGTACCCTTTTCTGAGCTAA
 GCAATAAGGGAAGCTACTCTTGTCTCATGTCTATACACCAAACGATGTCGGATGGTGTGCTGGAGTACGC
 CCGGCTCCGAGGGATTTCGAGTCATACCAGAATTTGATACCCCTGGCCATACACAGTCTTGGGGCAAAGGA
 CAGAAAAACCTTCAACTCCATGTTACAATCAAAAACTAAAACTCAAGTGTGGGCTGTAGACCCAA
 CTGTAACACAACGTATGCATCTTTAACACATTTTTCAAAGAAATCAGCAGTGTGTTCCAGATCAGTT
 CATCCACTTGGGAGGAGATGAAGTAGAATTTCAATGTTGGGCATCAAATCCAAACATCCAAGTTTCATG
 AAGAGAAAAGGGCTTTGGCAGCGATTTTAGAAGACTAGAATCCTTTTATATTAAGAAATTTGAAATTA
 TTTCATCCTTAAGAAGAAGTCCATTGTTTGGCAAGAAGTTTTGATGATAAGGTGGAGCTTCAGCCGGG
 CACAGTAGTCGAAGTGTGGAAGAGTGAGCATTATTCATATGAGCTAAAGCAAGTCACAGGCTCTGGCTTC
 CCTGCCATCCTTCTGCTCCTTGGTACTTAGACCTGATCAGCTATGGGCAAGACTGGAAAACTACTACA
 AAGTTGAGCCCTTAATTTGAAGGCTCTGAGAAGCAGAAACAATTTGTTATTGGTGGAGAAGCTTGCT
 GTGGGGAGAATTTGTGGATGCAACTAACCTTACTCCAAGATTATGGCCTCGAGCAAGCGCTGTTGGTGAG
 AGACTCTGGAGCCCTAAAACTGCTACTGACCTAGAAAATGCCTACAAACGACTGGCCGTGCACCGCTGCA
 GAATGGTCAGCCGTGGAATAGCTGCACAACCTCTATACTGGTACTGTAAGTATGAGAATAAAATATA
 G

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_010422
Insert Size: 1611 bp

OTI Disclaimer:	<p>Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.</p> <p>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</p>
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_010422.2 , NP_034552.1
RefSeq Size:	1922 bp
RefSeq ORF:	1611 bp
Locus ID:	15212
UniProt ID:	P20060
Cytogenetics:	13 50.66 cM
Gene Summary:	Responsible for the degradation of GM2 gangliosides, and a variety of other molecules containing terminal N-acetyl hexosamines, in the brain and other tissues.[UniProtKB/Swiss-Prot Function]