

Product datasheet for **RN213556**

Hexb (NM_001011946) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Hexb (NM_001011946) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Hexb
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >RN213556 representing NM_001011946
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGCCGGGGTCCCCGCGTCGCGCCCCGGGGCTGCTGCTGCAGGCGCTGGTGGCGATGGTGTGCTGGCCCC
 TGGTGGCCCCCTTCGGGCTGCAACCCGCGCTGTGGCCCATGCCGCGCTCGGTGCAGGTGTTCCCGCGGCT
 GCTGTACATCTCCCCGGAGAACTTCCAGATCGACAACAGCCCCAATTCCACCGCGGGCCCCCTCTGCTCG
 CTGCTGCTGGAGGCGTTTCGGCGATATTACAACATATTTTTGGTTTCTACAAGAGACATCATGGCCCTG
 CTAATTTCAAGATAAACACAGTTAGAGAAGCTTCTGGTCTTCATTAACCTCGAACCGCAGTGTGATGC
 CTTCCCTAGTATGTCATCAGATGAGTCTATTCTACTTGTACAAGAACCAGTAGCTCTCCTCAAGGCC
 AACGAAGTTGGGAGCACTAAGAGTTGGAGACCTTTAGCCAGTTGGTTTACCAGGACGCTTATGGGA
 CTTTTACCATCAATGAATCCACTATTGCTGATTCTCAAGATCCCTCATAGAGGAATCTAATTGATAC
 ATCCAGACACTACCTGCCTGTGAAGACAATTTTTAAAACCTCTGGATGCCATGGCTTTTAATAAGTTAAAC
 GTCCTTCACTGGCACATAGTGGACGACCACTTTCCCTTATCAGAGTATCACTTTTCTGAGCTAAGCA
 ACAAGGGAAGCTATTCTTTGCTCATGTCTATACACCAAACGACATCCATATGGTACTTGAATATGCCCCG
 GCTCCGAGGGATTGAGTCATACCAGAATTCGATAGCCCCGGCCATACACAGTCTTGGGGAAAGGTCAG
 AAAAACCTTCAACTCCATGTTTCATTCAAAAAATTAGAACTCAAAGGTTGGACCTGTAGACCCAAGTC
 TAAATACAACATACGTATTCTTTGACACATTCTCAAAGAAATCAGCAGGGTGTTCAGACCAAGTTTAT
 CCCTTGGGAGGAGATGAAGTGAATTTGAATGTTGGGCATCAAACCCAAACATCCAAAATTTTATGAAG
 AAAAAGGCTTTGGCAACAATTTAGAAGACTAGAATCCTTTTATATCAAAAAGATTTTGGATATTATCA
 CATCCTTAAAGAAGACTCCATTGTTTGGCAAGACGTTTTTGTGATCAAGTGGAGCTTCAGCCGGGCAC
 GGTAGTTGAAGTGTGAAAAGTGAATAACTTAAATGAATTAGCACAAAGTACAGCATCCGGCTTCCCT
 GCCATCCTTTCTGCTCCTTGGTACTTAGACCTGATCAGCTACGGGCAAGACTGGAGAAACTACTATAAAG
 CGGAGCCCTTAACTTTGAAGGTTGGGAGAAGCAGAAACAACCTGTTATTGGTGGAGAGGCTTGCCTATG
 GGGAGAATATGTGGATGCAACTAACCTTATTCCAAGACTATGGCCTCGGGCAAGCGCTGTTGGTGAAGG
 CTCTGGAGCCCTAGAATTATACCAACCTGAAAACGCCCTACAGACGACTGGCAGTGCACCCTGTAGAA
 TGGTCAGCCGGGAATAGCTGCACAACCTCTTTACTGGATATTGTAACACGAGAATAAAATGGAAAA
GTGA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** SgfI-MluI
- ACCN:** NM_001011946
- Insert Size:** 1614 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: [NM_001011946.1](#), [NP_001011946.1](#)

RefSeq Size: 1907 bp

RefSeq ORF: 1614 bp

Locus ID: 294673

UniProt ID: [Q6AXR4](#)

Cytogenetics: 2q12

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]