

## Product datasheet for **MC204864**

### Hexdc (NM\_001001333) Mouse Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Hexdc (NM_001001333) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Hexdc
Synonyms:	BC069960
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)



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**Fully Sequenced ORF:** >BC069960  
 CCCACGCGTCCGCACGCCATTTAAGATGAGATTAGTTCATTTGGACCTTAAAGGAGCGCCGCCAAAGGTT  
 TCATATCTCTCTGAGGTTTTCCCTTGTTCATGCACTTGGTGCAAATGGCCTCCTCATTGAGTACGAAG  
 ACATGTTTCCCTATGAGGGCCACCTGAGGCTGTGAGGGCCAAGCATGCATACAGCCCGTCCGAGTTAC  
 AGAGATCTGCGCCTGGCCAGACTCAGTGAGCTGGAAGTTATCCCCTTGGTGCAGACATTCGGACACATG  
 GAGTTTTGTCTAAAGCATGCAGCATTTGCACATCTCCGTGAAGTGGCTCTTCCCCAACCCCTGAACC  
 CTCACGAGGCTGAGTCCCTGGCCTTGGTACAAGCTATGATCGATCAAATTCGGAGCTACACAGGGATGT  
 CCGGTGGCTCCACATTGGCTGTGACGAGGTCTACTACTTGGGTGAGGGGAAACCTCAAAACAGTGGCTA  
 CAGCAGGAACAGAACAGCCATGCGAAATTTGCGCTGAGCCACATGCAGGAGTAGCCAGCCATGTGCTGA  
 CCCAGCACCTGGCGTAAACCCCTTGGTGTGGGATGACATGCTACGGGACATCCCTCAGGAACAGCTAAA  
 AGCATCTGGGGTGCCTCAACTGGTGGAGCTGTCTCTGGGACTATGGAGCTGACCTGGATGTCCATGGC  
 AAAGTTTTCTCATAGGAAAGTACCAGGAGTGTGGCTTCCAGAGGCTGTGGGCTGCCAGTGCCTTCAAGG  
 GGGCCACAGGAGTAGTCAAGGCTGTCCCCCTGTTGAGCACCACATCAGAAACCATGAGCTGTGGCTGCA  
 GGTGGCAGGAGTGGACAAAGGATGCTCTACAAGGAATCATCCTGACGGGCTGGCAGAGGTACGACCAC  
 TTCTCTGTGCTGTGTGAGCTGTCCGGTGGGGATCCCATCCCTGGCTGCCTGCCTACAGTCACTTGTAC  
 ATGGTGTCTAGACTACTCCGCCTGTGACCTGGACACTTGTACATGGACTGTGTGGTGAAGCCAGGGGC  
 TCCTGCAGATTGTGCTGTACAACCTTTCACATGTTCACTGAAAAGCAGCCACCTGGCCTGGCTGGGGCT  
 CCCAAGATGCTGTGCCTTTTGCCCATAGCACTCAAAGGTGAGGGTTCTCTCTGAGCACTTCTGCCTGT  
 GGACGGTTTCAGGAGGCTTGTGAGGATGTTAGGCTGAGAGCGGAACGCTTCCCTGGGGTTTCAAGCCT  
 GGAGATAGCGGATACTGTAAGTGAAGGAGCTGGCTCCTTCCCTGGCAGTGCATCCATGCCCTCGTACA  
 CAAATTAAGTCTCCACCTGCGCAGCTCTGTGGACACACTTCTGAAAGGAACAGGTATGCTACTGGCTGGT  
 TCAGCCCTACCATCGTAGACGGAAGCTTGTTCACCCAGTTATGATCCAGCACATACAGCCGGAGGCCT  
 CAGCCTTCTAAGTAGGTGGAACAACCTCGTGCAGCAGTTGGAGGTGGCCCTGCAGCCGGTCTTACCCG  
 GACACCATAGAGGAGTGGCTGGAGGAGAATGTGCTCCCGAGTCTGCAGGACTGCAGGATCTGCTGCAGG  
 ACCTGGGTGAGGCGGCTGCCCGACAGCCACCACCAGCCAGGCTGGGACACAGGGCAGAACCCTG  
 AGAGGCTGGGGCCTGTATATCAGCCTGGACACCACCAAGATTTCTGTTTCACTGGCCAGCCATGTGGA  
 GCCTGTGCTTCTCTGCTGAGCTCCGGACACCTGTGCAGACAGGCTCTCCAAGTATGAACAGTAACTT  
 TGGGCAAAGCAGAAAACAGAAAGGCACATTTGCAAGTTGCATGTAGAGCTTTATTACTTCTGAAATAAAA  
 AGACCAGTAGAAGTGGAIAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA

**Restriction Sites:** RsrII-NotI

**ACCN:** NM\_001001333

**Insert Size:** 1404 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: [BC069960](#), [AAH69960](#)

RefSeq Size: 1933 bp

RefSeq ORF: 1404 bp

Locus ID: 238023

UniProt ID: [Q3U4H6](#)

Cytogenetics: 11 E2

**Gene Summary:** Has hexosaminidase activity (PubMed:19040401). Responsible for the cleavage of the monosaccharides N-acetylglucosamine (GlcNAc) and N-acetylgalactosamine (GalNAc) from cellular substrates. Has a preference for galactosaminide over glucosaminide substrates (By similarity).[UniProtKB/Swiss-Prot Function]

Transcript Variant: This variant (2) differs in the 5' UTR and uses an alternate in-frame splice site in the 3' coding region, compared to variant 1. The resulting isoform (2) is shorter than isoform 1.