

Product datasheet for MC223730

Hdac6 (NM_001130416) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Hdac6 (NM_001130416) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Hdac6
Synonyms:	Hd6; Hdac5; mHDA2; Sfc6
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
Fully Sequenced ORF:	>MC223730 representing NM_001130416 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGACCTCCACCGCCAAGATTCTTCTACTAGACAGCGAAAGAGTAGGCACAATCCCCAGTCACCCCTTC
AGGAATCCAGCGCCACCTTGAAGCGTGGTGGAAAGAAGTGTGCTGTACCCCACTCCAGCCCCAATCTAGC
GGAGGTAAGAAGAAAGGCAAAATGAAGAAGCTGAGCCAACCACTGAGAGGACCTAGTTGTGGGGCTT
CAAGGGCTGGATCTGAACCCTGAGACAAGAGTGCCAGTTGGTACTGGATTGGTGTGGATGAACAATAA
ATGACTTCCATTGCCTTTGGGATGACAGCTTCCCTGAAAGCCCTGAGCGGCTCCATGCCATCAGAGAGCA
ACTGATCTGGAGGGCCTCCTGGGCCGCTGTGTCTTTTCAGGCCCGGTTTCGCTGAGAAGGAGGAGCTG
ATGTTGGTTCACAGCCTGGAATACATTGATCTGATGGAGACAACCCAGTACATGAATGAAGGGGAGCTTC
GAGTACTGGCAGAAACCTATGATTCAGTGTATCTGCATCCGAACCATATTCCTGTGCCTGCCTGGCTAC
AGGCTCTGTCTCCGGCTGGTAGATGCACTCATGGGGCTGAGATTCGGAATGGCATGGCCGTCATCAGG
CCTCCTGGACACCATGCTCAGCACAATCTTATGGATGGTATTGCATGTTCAACCATCTGGCTGTGGCTG
CCCGCTATGCGCAAAAGAAGCACCCGATTCAGAGGGTTCTCATCGTGGACTGGGATGTGCACCATGGTCA
AGGAACACAGTTCATCTTCGACCAGGACCCAGTGTCTTTATTCTCCATCCACCGATATGAACATGGT
CGTTCTGGCCCCACCTAAGGCTTCTAACTGGTCCACTATAGGTTTTGGCCAAGGCCAAGGATATACCA
TCAATGTACCTTGAACACAGACGGGATGCGGGACGCTGACTACATTGCTGCTTTCTGCACATCTGCT
GCCAGTTGCCTCGGAGTTTCAGCCTCAACTGGTCTTGGTGGCCGCTGGATTTGATGCCCTCCACGGAGAC
CCCAAGGGAGAGATGGCTGCCACGCCAGCAGGATTTGCCACCTAACCCATTTGCTCATGGGTTTGGCAG
GAGGCAAGTTGATTCTGTCCCTGGAGGGTGGCTATAACCTCCGTGCCCTGGCTAAGGGAGTCAGTGTCTC
ACTCCACACCCTTCTGGAGACCCTTGCCCATGCTGGAGTCTGTGTTGTACCTGTGCAAGCGCCAG
ACTTCCATCTACTGCACTCTAGAAGCCCTGAACCCTTCTGGGAGGTCCTGGAGAGATCAGTTGAGACCC
AGGAGGAAGATGAAGTGAAGAAGCCGTCTAGAAGAGGAGGAGGAGGAAGGTGGCTGGGAGGCCACTGC
ACTGCCATGGATACATGGCCACTGCTCCAGAACCCTGAGGCTGGTCTATGATGAGAAGATGATGAGT
CACTGCAACCTCTGGACAATCATCACCTGAGACACCTCAGCGCATCTTACGCATCATGTGCACCTGG



[View online »](#)

AGGAGGTGGGCCTTGGCGCTCGCTGTCTCATCCTACCTGCTCGGCCTGCCTGGACTCTGAGCTCCTTAC
 CTGCCACAGTGTGAGTACGTGGAGCATCTCCGCACCACAGAAAAGATGAAAACCCGGGATCTGCACCGT
 GAAGGTGCCAACTTTGACTCCATCTACATCTGCCCCAGCACCTTTGCCTGCGCAAAGCTTCCACAGGCG
 CTGCTGCGCGCTGGTGGAAAGCTGTGCTCTCGGGAGAGGTTCTAAATGGCATTGCAGTAGTGCGCCCTCC
 AGGACACCACGCGGAGCCAAATGCTGCCTGTGGTTTCTGCTTTTCAACTCAGTAGCTGTAGCTGCTCGC
 CATGCCAGATCATTGCTGGACGTGCCCTGCGGATCCTAATCGTGGATTGGGATGTTTCATCATGGTAATG
 GAACTCAGCACAATTTGAGGATGACCCTAGTGTATTATACGTGTCCTGCACCGGTATGACCGTGGCAC
 TTTCTTCCCATGGGGATGAGGGTGCCAGTAGCCAAGTAGGCCGAGATGCAGGTATAGGCTTCACTGTC
 AATGTGCCCTGGAATGGGCCCGCATGGGTGATGCTGATTACCTGGCTGCATGGCATCGTCTGGTACTTC
 CCATCGCCTATGAGTTTAAACCAGAAGTGGTGTGATCTCAGCTGGCTTTGATGTGCACAAGGGGATCC
 GCTGGGGGGTGCAGTAACACCGGAGGGTTATGCCACCTCACCCACTACTGATGGGCTTGTGGT
 GGCCGTATTATTCTATTCTAGAGGGTGGATAACAATTTGGCATCTATCTGAGTCTATGGCTGCCTGCA
 CCCATTCCCTCCTGGAGACCCACCACCCAGCTTACTTTGCTGCGACCGCCACAGTCAGGAGCCCTGGT
 TTCAATCAGTGAGGTATCCAAGTCCATCGAAATACTGGCGAGTTTGGGTTGATGAAAATGGAAGAC
 AAGGAAGAATGCTCTAGTTCTAGGCTTGTATCAAGAAGTTGCCCAACAGCCAGTCTGTATCAGCTA
 AGGAAATGACCACCCGAAAGGAAAGGTTCTGAAGAAAGCGTGAGGAAGCCATAGCAGCACTACCTGG
 GAAAGAGTCTACTTAGGCCAGGCTAAATCAAAGATGGCTAAGGCTGTGCTTGTCTCAGGGCCAGTCTCA
 GAACAAGCTGCTAAGGGAACACTGGATCTGGCTACCTCAAAGGAGACTGTGGGAGGACCCAGCAGCG
 ACCTGTGGGCCTCAGCAGCTGCTCCTGAAAACCTCCCTAACCCAGACCCACTCTGTGGAGGCTTTGGGAGA
 AACTGAGCCAACGCCTCCAGCCTCGCATACAAACAAGCAGACCACAGGGGCTTCACTCTGCAGGGAGTC
 ACGGCTCAGCAGTCCCTACAGCTTGGGGTTCTCAGCACTTTGGAGCTAAGCAGAGAAGCAGAGGAAGCCC
 ATGATTCTGAGGAGGGCCTGCTAGGGGAAGCCGCTGGAGGTGAGGACATGAACAGCTTGTGCTGACACA
 AGGATTTGGGACTTTAATACCCAGGATGATTTTATGCTGTGACCCCACTATCCTGGTCCCCATTTG
 ATGGCAGTATGCCCATTCCTGACGAGGCTTAGATGTGTCACCTTGTAAAGACTGTGGAACAGTCC
 AGGAGAAGTGGGTGTGTCTGACTTGTATCAGGTGACTGCAGTCGCTATGTCAATGCCATATGGTCTG
 CCACCATGAAGCCTCTGAACACCCGCTGGTCTCAGCTGTGTTGACCTGTCTACCTGGTGTATGTCTGT
 CAGGCTTATGTCCACCACGAGGATCTCCAAGATGTGAAGAAGCTGCCACCAGAACAAAGTTGGGGAGG
 ACATGCCCACTCACATAA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** SgfI-MluI
- ACCN:** NM_001130416
- Insert Size:** 3450 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:	<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:	<u>NM_001130416.1</u> , <u>NP_001123888.1</u>
RefSeq Size:	4067 bp
RefSeq ORF:	3450 bp
Locus ID:	15185
UniProt ID:	<u>Q9Z2V5</u>
Cytogenetics:	X 3.58 cM
Gene Summary:	<p>Responsible for the deacetylation of lysine residues on the N-terminal part of the core histones (H2A, H2B, H3 and H4). Histone deacetylation gives a tag for epigenetic repression and plays an important role in transcriptional regulation, cell cycle progression and developmental events. Histone deacetylases act via the formation of large multiprotein complexes (By similarity). Plays a central role in microtubule-dependent cell motility via deacetylation of tubulin.[UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (2) differs in the 5' UTR, compared to variant 1. Variants 1 and 2 encode the same protein.</p>