

Product datasheet for **MR205884**

Hdac8 (NM_027382) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Hdac8 (NM_027382) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Hdac8
Synonyms:	2610007D20Rik
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR205884 representing NM_027382 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGAGATGCCAGAGGAACCCGCCAACAGTGGCATTCACTACCCCGGTTTATATTTACAGTCCCAGT
ATGTCAGCATCTGCGACTCCCTTGTGAAGGTCCCCAAACGGCCAGTATGGTCCACTCTCTGATCGAAGC
CTATGCCCTGCATAAACAAATGAGGATAGTGAAGCCAAAGTGGCCTCCATGGAGGAGATGGCCACCTTC
CACACTGATGCCTATCTGCAACATCTCCAGAAAGTCAGCCAAGAAGGTGATGAGGACCATCCAGACTCCA
TAGAATATGGACTAGGTTATGACTGCCAGCCACAGAAGGATATTTGACTATGCAGCAGCTATAGGAGG
AGGTACAATCACAGCTGCCAGTGCCTGATTGACGGGAAGTGTAAAGTAGCCATCAACTGGTCTGGAGGG
TGGCATCATGCAAAGAAAGATGAAGCATCTGGTTTCTGTTATCTCAATGATGCTGTCTGGGAATATTAC
GATTGCGACGGAAATTTGACCGTATTCTCTACGTGGATTTGGATCTACACCATGGAGATGGTGTAGAAGA
TGCCCTTCAGTTTTACATCGAAGGTTATGACTGTGTCCCTGCACAAGTTCTCCCCAGGATTTTTCCAGGA
ACAGGTGACATGTCTGATGTTGGCCTGGGAAAGGACGGTACTACAGTGTCAATGTGCCATTCCAGGATG
GCATCCAGGATGAGAAGTACTATCACATCTGTGAAAGTGTACTAAAAGAAGTGTACCAGGCCCTTCAATCC
GAAGGCAGTGGTTTTACAGCTGGGAGCAGATACTATTGCCGGAGATCCAATGTGTTCTTTAATATGACA
CCAGTGGGGATCGCAAGTGTCTGAAGTATGTCCTACAGTGGCAGCTGGCAACTGATTTTAGGAGGAG
GAGGCTATAACCTTGCCAAACACGGCTCGTTGCTGGACATACTTGACCGGGGTATCCTAGGGAAAACGCT
ATCCTCTGAGATCCCAGATCATGAGTTTTTACAGCATATGGTCTGATTATGTGCTGAAATCACGCCA
AGCTGCCGGCCAGACCGCAATGAGCCCCACCGAATCCAGCAAATCCTCAACTACATCAAAGGGAATCTGA
AGCATGTGGTC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >MR205884 representing NM_027382
Red=Cloning site Green=Tags(s)

MEMPEEPANSGHSLPPVYIYSPEYVSICDSLKVKPKRASMVHSLIEAYALHKQMRIVKPKVASMEEMATF
 HTDAYLQHLQKVSQEGDEDHPDSIEYGLGYDCPATEGIFDYAAAIGGGTITAAQCLIDGKCKVAINWSSG
 WHHAKKDEASGFCYLNDVAVLGIILRLRRKFDRIILYVDLHLHHGDGVEDAFSFTSKVMTVSLHKFSPGFFPG
 TGDMSDVLGKGRYYSVNVPIQDGIQDEKYYHICESVLKEYVQAFNPKAVVLQLGADTIAGDPMCSFNMT
 PVGIGKCLKYVLQWQLATLILGGGYNLANTARCWTYLTGVILGKTLSSIPDHEFFTAYGPDYVLEITP
 SCRPRNPHRIQQILNYIKGNLKHVV

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mm9032_e05.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_027382

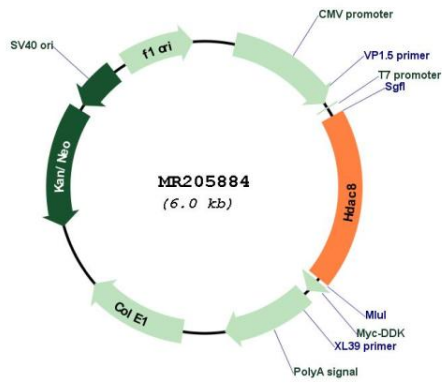
ORF Size: 1131 bp

OTI Disclaimer: 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.

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](#)

OTI Annotation:	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
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_027382.4
RefSeq Size:	1724 bp
RefSeq ORF:	1134 bp
Locus ID:	70315
UniProt ID:	Q8VH37
Cytogenetics:	X D
MW:	42.2 kDa
Gene Summary:	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. Also involved in the deacetylation of cohesin complex protein SMC3 regulating release of cohesin complexes from chromatin. May play a role in smooth muscle cell contractility (By similarity).[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR205884