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Product datasheet for MC206792

Hdac7a (BC057332) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Hdac7a (BC057332) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Hdac7a
Synonyms:	5830434K02Rik; HD7; HD7a; Hdac7a; mFLJ00062
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>BC057332

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CGCCAGGCTGTGTGCTGCTGAGCGAAGCCCGGGTGGTGTGTCCCAGGGCCGCCAGCGCCGGCCCCCTCCC
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GGTCTATGACTCGGTGATGCTGAAACACCAATGTTCCTGTGGAGACAACAGCAAGCATCCCGAGCATGCA
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AAAAAAAAAAAAAAAAA

Restriction Sites: EcoRI-NotI

ACCN: BC057332

Insert Size: 2817 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:	BC057332, AAH57332
RefSeq Size:	4147 bp
RefSeq ORF:	2817 bp
Locus ID:	56233
Cytogenetics:	15 F1
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. Involved in muscle maturation by repressing transcription of myocyte enhancer factors such as MEF2A, MEF2B and MEF2C. During muscle differentiation, it shuttles into the cytoplasm, allowing the expression of myocyte enhancer factors. Positively regulates the transcriptional repressor activity of FOXP3 (By similarity). Serves as a corepressor of RARA, causing its deacetylation and inhibition of RARE DNA element binding (By similarity). In association with RARA, plays a role in the repression of microRNA-10a and thereby in the inflammatory response (By similarity).[UniProtKB/Swiss-Prot Function]