

Product datasheet for **RG213182**

HDAC9 (NM_178425) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	HDAC9 (NM_178425) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	HDAC9
Synonyms:	HD7; HD7b; HD9; HDAC; HDAC7; HDAC7B; HDAC9B; HDAC9FL; HDRP; MITR
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG213182 representing NM_178425 Red=Cloning site Blue=ORF Green=Tags(s)

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GCC**CGATCGCC**

ATGCACAGTATGATCAGCTCAGTGGATGTGAAGTCAGAAGTTCCTGTGGCCTGGAGCCCATCTCACCTT
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ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence:

>RG213182 representing NM_178425

Red=Cloning site Green=Tags(s)

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QHENLTRHQQAQLQEHIKLQELLEAIKQQELLEKEQKLEQQRQEVEVERHRREQLPPLRGKDRGRERA
VASTEVKQKLQEFLLSKSATKDPPTNGKNHVSRRPKLWYTAHHTSLDQSSPPLSGTSPSYKYLPGAQ
DAKDDFPLRKTASEPNLKVRSRLKQKVAERRSSPLLRRKDGNNVTSFKKRMFEVTESSVSSSSPSPGSS
PNNGPTGSVTENETSVLPPTPHAEQMVSQQRILIHEDSMNLLSLYTSPLPNITLGLPAVPSQLNASNSL
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FAQEDSRTAGEPMEEEPAL

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TRTRPLE – GFP Tag – V

Restriction Sites:

Sgfl-Mlul

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_178425.3
RefSeq Size:	4559 bp
RefSeq ORF:	3210 bp
Locus ID:	9734
UniProt ID:	Q9UKV0
Cytogenetics:	7p21.1
Protein Families:	Druggable Genome, Transcription Factors
Gene Summary:	Histones play a critical role in transcriptional regulation, cell cycle progression, and developmental events. Histone acetylation/deacetylation alters chromosome structure and affects transcription factor access to DNA. The protein encoded by this gene has sequence homology to members of the histone deacetylase family. This gene is orthologous to the Xenopus and mouse MITR genes. The MITR protein lacks the histone deacetylase catalytic domain. It represses MEF2 activity through recruitment of multicomponent corepressor complexes that include CtBP and HDACs. This encoded protein may play a role in hematopoiesis. Multiple alternatively spliced transcripts have been described for this gene but the full-length nature of some of them has not been determined. [provided by RefSeq, Jul 2008]