

Product datasheet for RC229584L3

OriGene Technologies, Inc.

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HDAC8 (NM_001166420) Human Tagged Lenti ORF Clone

Product data:

Product Type: Expression Plasmids

Product Name: HDAC8 (NM 001166420) Human Tagged Lenti ORF Clone

Tag: Myc-DDK
Symbol: HDAC8

Synonyms: CDA07; CDLS5; HD8; HDACL1; KDAC8; MRXS6; RPD3; WTS

Mammalian Cell Puromycin

Selection:

Vector: pLenti-C-Myc-DDK-P2A-Puro (PS100092)

E. coli Selection: Chloramphenicol (34 ug/mL)

ORF Nucleotide The ORF insert of this clone

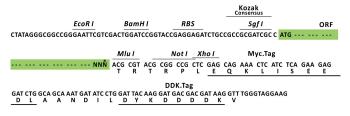
Sequence:

The ORF insert of this clone is exactly the same as(RC229584).

Restriction Sites: Sgfl-Mlul

Cloning Scheme:



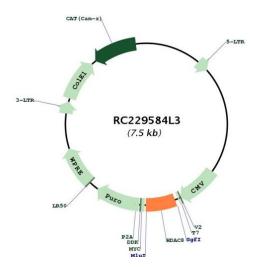


^{*} The last codon before the Stop codon of the ORF.





Plasmid Map:



ACCN: NM_001166420

ORF Size: 438 bp

OTI Disclaimer: 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: 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 001166420.1, NP 001159892.1</u>

RefSeq ORF: 441 bp Locus ID: 55869



HDAC8 (NM_001166420) Human Tagged Lenti ORF Clone - RC229584L3

UniProt ID: Q9BY41

Cytogenetics: Xq13.1

Protein Families: Druggable Genome, Transcription Factors

MW: 16.5 kDa

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 belongs to class I of the histone deacetylase family. It catalyzes the deacetylation of lysine residues in the histone N-terminal tails and represses transcription in large multiprotein complexes with transcriptional co-repressors. Multiple transcript variants encoding different isoforms have

been found for this gene. [provided by RefSeq, Oct 2009]