

Histone deacetylase HDT4 (HDT4), Recombinant Protein

Cat *RP01946*

Size 0.02 mg (E-Coli)/ 0.1 mg (E-Coli)/ 0.02 mg (Yeast)/ 0.1 mg (Yeast)/ 0.02 mg (Baculovirus)/ 0.02 mg (Mammalian-Cell)/ 1

mg (E-Coli)/ 0.1 mg (Baculovirus)/ 1 mg (Yeast)/ 0.1 mg (Mammalian-Cell)/ 1 mg (Baculovirus)/ 0.5 mg (Mammalian-Cell)
Species Arabidopsis thaliana (Mouse-ear cress)

Full Product Name

Recombinant Arabidopsis thaliana Histone deacetylase HDT4 (HDT4)

Product Gene Name

HDT4 recombinant protein

Product Synonym Gene Name

HDT4

Purity

Greater or equal to 85% purity as determined by SDS-PAGE. (lot specific)

Sequence

MEFWGIEIKP GKPFKVIQKD GFMVHASQVT LGDVEKVKKD ETFAYYVKIG DDENGFMIGN LSQKFPQFSI
DLYLGHEFEI SHNSTSSVYL IGYRTFDAFD ELDEEIDSDS ELDEYMEQQI AALPQNEINP EEDDESDE
MGLDEDDSS DEEDVEAEAP LKVAPPSKKM PNGAFEIAKG GKKNKSSGGK KRCPFPCGPS CKK

Sequence Positions

1-203, Full length protein

Format

Lyophilized or liquid (Format to be determined during the manufacturing process)

Host

E Coli or Yeast or Baculovirus or Mammalian Cell

Molecular Weight

22,651 Da

Storage

Store at -20°C. For long-term storage, store at -20°C or -80°C. Store working aliquots at 4°C for up to one week. Repeated freezing and thawing is not recommended.

Protein Family

Histone deacetylase

NCBI Accession

NP_565661.2

NCBI GI

30683663

NCBI GenBank Nucleotide

NM_128344.4

NCBI GeneID

817331

FOR RESEARCH OR FURTHER MANUFACTURING USE ONLY

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(Yeast)/ 0.02 mg (Baculovirus)/ 0.02 mg (Mammalian-Cell)/ 1

mg (E-Coli)/ 0.1 mg (Baculovirus)/ 1 mg (Yeast)/ 0.1 mg
(Mammalian-Cell)/ 1 mg (Baculovirus)/ 0.5 mg (Mammalian-
Cell)
histone deacetylase-related / HD-like protein

NCBI Official Symbol

HDT4

NCBI Official Synonym Symbols

F15K20.6; F15K20_6; HD2D; HDA13; HDT04; HISTONE DEACETYLASE; HISTONE DEACETYLASE 13;
histone deacetylase 2D

NCBI Protein Information

histone deacetylase-related / HD-like protein

NCBI Summary

Belongs to the plant specific HD2 type proteins; similar to nucleolar Zea mays histone deacetylase; HD2-p39

UniProt Gene Name

HDT4

UniProt Synonym Gene Names

HD2D; HDA13

UniProt Protein Name

Histone deacetylase HDT4

UniProt Synonym Protein Names

HD-tuins protein 4; Histone deacetylase 2d

UniProt Primary Accession

Q9M4T3

UniProt Secondary Accession

Q0WN36; Q9ZUY5

UniProt Related Accession

Q9M4T3

UniProt Comments

Probably mediates 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.

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