

Recombinant Full Length Human HDAC1 Protein, GST-tagged

Cat. No. HDAC1-3609HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human HDAC1 full-length ORF (AAH00301, 1 a.a. - 482 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	482 amino acids
Description	Histone acetylation and deacetylation, catalyzed by multisubunit complexes, play a key role in the regulation of eukaryotic gene expression. The protein encoded by this gene belongs to the histone deacetylase/acuc/apha family and is a component of the histone deacetylase complex. It also interacts with retinoblastoma tumor-suppressor protein and this complex is a key element in the control of cell proliferation and differentiation. Together with metastasis-associated protein-2, it deacetylates p53 and modulates its effect on cell growth and apoptosis. [provided by RefSeq
Molecular Mass	78.76 kDa
AA Sequence	MAQTQGTRRKVCYYYDGDVGNYYYGQGHMPKPHRIRMTHNLLLNYGLYRKMEIYR PHKANAEEMTKYHSDDYIKFLRSIRPDNMSEYSKQMQRFNVGEDCPVFDGLFEFCQ LSTGGSVASAVKLNKQQTDAVNWAGGLHHAKKSEASGFCYVNDIVLAILELLKYHQ RVLYIDIDIHHDGVEEAFYTTDRVMTVSFHKYGEYFPGTGDLRDIGAGKGKYYAVN YPLRDGIDDESIEAIFKPVMSKVMEMFQPSAVVLQCGSDSLSGDRLGCFNLTIKGHA KCVEFVKSFNLPMLMLGGGGYTIRNVARCWYETAVALDTEIPNELPYNDYFEYFGP

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DFKLHISPSNMTNQNTNEYLEKIKQRLFENLRMLPHAPGVQMQAIPEDAIPEESGDE
 DEDDPDKRISICSSDKRIACEEEFSDSEEEGEGGRKNSSNFKKAKRVKTEDEKEKDP
 EEKKEVTEEEKTKEEKPEAKGVKEEVKLA

Applications

Enzyme-linked Immunoabsorbent Assay
 Western Blot (Recombinant protein)
 Antibody Production
 Protein Array

Notes

Best use within three months from the date of receipt of this protein.

Storage

Store at -8 centigrade. Aliquot to avoid repeated freezing and thawing.

Storage Buffer

50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

GENE INFORMATION

Gene Name

HDAC1 histone deacetylase 1 [Homo sapiens]

Official Symbol

HDAC1

Synonyms

HDAC1; histone deacetylase 1; RPD3L1; GON 10; HD1; reduced potassium dependency, yeast homolog-like 1; RPD3; GON-10; DKFZp686H12203;

Gene ID

3065

mRNA Refseq

NM_004964

Protein Refseq

NP_004955

MIM

601241

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UniProt ID

Q13547

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