

Recombinant Human HDAC2 protein, His-tagged

Cat. No. HDAC2-13708H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human HDAC2(NP_001518.3)(Met1~Pro488), fused with N-terminal His Tag, was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	Met1~Pro488
Description	This gene product belongs to the histone deacetylase family. Histone deacetylases act via the formation of large multiprotein complexes, and are responsible for the deacetylation of lysine residues at the N-terminal regions of core histones (H2A, H2B, H3 and H4). This protein forms transcriptional repressor complexes by associating with many different proteins, including YY1, a mammalian zinc-finger transcription factor. Thus, it plays an important role in transcriptional regulation, cell cycle progression and developmental events. Alternative splicing results in multiple transcript variants.
Form	20mM Tris, 150mM NaCl, pH8.0, containing 0.01% SKL, 5% Trehalose.
Molecular Mass	60kDa as determined by SDS-PAGE reducing conditions.
AA Sequence	MAYSQGGGKKKVCYYYDGDIGNYYYGQGHMPKPHRIRMTHNLLLNLYGLYRKMEIY RPHKATAEEMTKYHSDEYIKFLRSIRPDNMSEYSKQMQRFNVGEDCPVFDGLFEFC QLSTGGSVAGAVKLNRRQQTDMAVNWAGGLHHAKKSEASGFCYVNDIVLAILELLKY

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HQRVLYIDIDIHHGDGVVEAFYTTDRVMTVSFHKYGEYFPGTGDLRDIGAGKGKYYA
 VNFPMRDGIIDDESYGQIFKPIISKVMEMYQPSAVVLQCGADSLSGDRLGCFNLTVKG
 HAKCVEVVKTFNLPLLMLGGGGYTIRNVARCWYETAVALDCEIPNELPYNDYFEYF
 GPDKFLHISPSNMTNQNTPEYMEKIKQRLFENLRMLPHAPGVQMQAIPEDAVHEDS
 GDEDGEDPDKRISIRASDKRIACDEEFSDSEDEGEGERNRVADHKKGAKKARIEED
 KKETEDKKTDVKEEDKSKDNSGEKTDTKGTKSEQLSNP

Endotoxin < 1.0EU per 1g (determined by the LAL method)

Purity > 90%

Applications Positive Control; Immunogen; SDS-PAGE; WB.
 If bio-activity of the protein is needed, please check active protein.

Notes The kit is designed for research use only, we will not be responsible for any issue if the kit was used in clinical diagnostic or any other procedures.

Stability The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37°C for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.

Storage Avoid repeated freeze/thaw cycles. Store at 2-8°C for one month. Aliquot and store at -80°C for 12 months.

Concentration 200g/mL

Reconstitution Reconstitute in ddH₂O to a concentration of 0.1-1.0 mg/mL. Do not vortex.

GENE INFORMATION

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Gene Name	HDAC2 histone deacetylase 2 [Homo sapiens (human)]
Official Symbol	HDAC2
Synonyms	HD2; RPD3; YAF1; KDAC2
Gene ID	3066
mRNA Refseq	NM_001527.4
Protein Refseq	NP_001518.3
MIM	605164
UniProt ID	Q92769

**SDS-PAGE of
HDAC2-13708H**

