

Recombinant Human HDAC2 protein, His/GST-tagged

Cat. No. HDAC2-13707H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human HDAC2 protein(NP_001518.3)(Met1~Pro488), fused to His and GST Tag at the N-terminus, 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 1mM EDTA, 1mM DTT, 0.01% SKL, 5% Trehalose and Proclin300.
Molecular Mass	85kDa as determined by SDS-PAGE reducing conditions.
AA Sequence	MAYSQGGGKKKVCYYDGDIGNYYYGQGHMPKPHRIRMTHNLLLNYGLYRKMEIY RPHKATAEEMTKYHSDEYIKFLRSIRPDNMSEYSKQMQRFNVGEDCPVFDGLFEFC

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QLSTGGSVAGAVKLNRRQQTDMAVNWAGGLHHAKKSEASGFCYVNDIVLAILELLKY
 HQRVLYIDIDIHHGDGVVEEAFYTTDRVMTVSFHKYGEYFPGTGDLRDIGAGKGYA
 VNFPMRDGIDDESYGQIFKPIISKVMEMYQPSAVVLQCGADSLSGDRLGCFNLTVKG
 HAKCVEVVKTFNLPLLMLGGGGYTIRNVARCWYETAVALDCEIPNELPYNDYFEYF
 GPDFKLHISPSNMTNQNTPEYMEKIKQRLFENLRMLPHAPGVQMQAIPEDAVHEDS
 GDEDGEDPDKRISIRASDKRIACDEEFSDSEDEGEGGRRNVADHKKGAKKARIEED
 KKETEDKKTVDKKEEDKSKDNSGEKTDTKGKSEQLSNP

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

Purity > 90%

Applications Positive Control; Immunogen; SDS-PAGE; WB. (May be suitable for use in other assays to be determined by the end user.)

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.

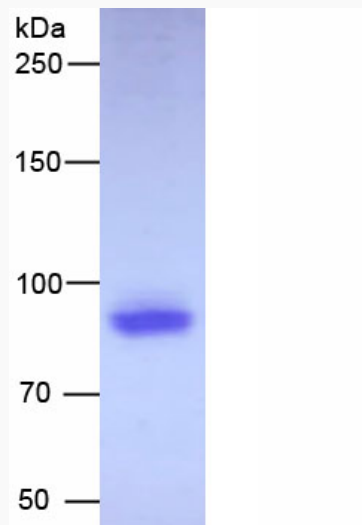
Storage Avoid repeated freeze/thaw cycles.
 Store at 2-8°C for one month.
 Aliquot and store at -80°C for 12 months.

Reconstitution Reconstitute in 20mM Tris, 150mM NaCl (pH8.0) to a concentration of 0.1-1.0 mg/mL.
 Do not vortex.

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GENE INFORMATION**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
HDAC2-13707H** Tel: 1-631-559-9269 1-516-512-3133 Email: info@creative-biomart.com  Fax: 1-631-938-8127 45-1 Ramsey Road, Shirley, NY 11967, USA