
Product Data Sheet

Product Name: HDAC2 Human
 Cat. No.: GP21779
 Batch No.: 1

Product Data

Purity	>98%	Source	Hi-5 Cell.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	Histone deacetylase 2; YAF1; HD2; YY1-associated factor 1; transcriptional regulator homolog RPD3; RPD3; EC 3.5.1.98.		
Amino Acid Sequence	<p>MAYSQGGGKK KVCYYDGD I GNYYYGQGH P MKPHRIRMTH NLLLNYGLYR KMEIYRPHKA TAEEMTKYHS DEYIKFLRSI RPDNMSEYSK QMQRFNVED CPVFDGLFEF CQLSTGGSVA GAVKLNRRQT DMAVNWAGGL HHAKKSEASG FCYVNDIVLA ILELLKYHQR VLYIDIDIHHGDGVVEEAFYT TDRVMTVSFH KYGEYFPGTG DLRDIGAGKG KYAVNFPMR DGIDDESYGQ IFKPIISKVM EMYQPSAVVL QCGADSLSGD RLGCFNLTVK GHAKCVEVVK TFNLPLLMLG GGGYTIRNVA RCWYETAVA LDCEIPNELP YNDYFEYFGP DFKLHISPSN MTNQNTPEYMEKIKQRLFEN LRMLPHAPGV QMQAIPEDAV HEDSGDEDEGE DPDKRISIRA SDKRIACDEE FSDSEDEGEG GRRNVADHKK GAKKARIEED KKETEDKKT D VKEEDKSKDN SGEKTDTKGT KSEQLSNPSR HHHHHH</p>		
Formulation	The HDAC2 solution (0.25mg/ml) contains 20mM Tris-HCl buffer (pH 8.0), 1mM DTT, 0.1M NaCl, 0.1mM PMSF and 20% glycerol.		

Introduction

HDAC2 is a member of the histone deacetylase family that performs through the construction of large multiprotein complexes and are in charge of the deacetylation of lysine residues on the N-terminal region of the core histones. HDAC2 forms transcriptional repressor complexes by relating to a diversity of proteins, like YY1- a mammalian zinc-finger transcription factor. In addition, HDAC2 has a vital part in transcriptional regulation, cell cycle progression and developmental procedures.

Stability

Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer

Caution: Product has not been fully validated for medical applications. For research use only.

Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com

Address: 10292 Central Ave. #205, Montclair, CA, USA

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periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

Background

HDAC2 Human Recombinant produced in Hi-5 Cell is a single, non-glycosylated polypeptide chain containing 496 amino acids (1-488) and having a molecular mass of 56.4 kDa. The HDAC2 is fused to an 8 amino acid His-Tag at C-terminus and purified by proprietary chromatographic techniques.

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