

## Product datasheet for **AR39094PU-N**

### HDAC2 (1-488, His-tag) Human Protein

#### Product data:

|                                       |   |
|---------------------------------------|---|
| Product Type:                         | Recombinant Proteins  |
| Description:                          | HDAC2 (1-488, His-tag) human recombinant protein, 50 µg   |
| Species:                              | Human   |
| Expression Host:                      | Hi-5 insect   |
| Expression cDNA Clone or AA Sequence: | MAYSQGGGKK KVCYYDGD I GNYYYGQGH P MKPHRIRMTH NLLLNYGLYR KMEIYRPHKA TAEEMTKYHS DEYIKFLRSI RPDNMSEYSK QMQRFNVED CPVFDGLFEF CQLSTGGGSA GAVKLNRRQT DMAVNWAGGL HHAKKSEASG FCYVNDIVLA ILELLKYHQ R VLYIDIDIHH GDGVEEAFYT TDRVMTVSFH KYGEYFPGTG DLRDIGAGKG KYAVNFPMR DGIDDESYGQ IFKPIISKVM EMYQPSAWL QCGADSLSGD RLGCFLNLT VK GHAKCVEVVK TFNLPLMLG GGGYTIRNVA RCWTYETAVA LDCEIPNELP YNDYFEYFGP DFKLHISPSN MTNQNTPEYM EKIKQRLFEN LRMLPHAPGV QMQAIPEDAV HEDSGDEDGE DPKRISIRA SDKRIACDEE FSDSEDEGEG GRRNVADHKK GAKKARIEED KKETEDKKT D VKEEDKSKDN SGEKTDTKGT KSEQLSNPSR HHHHHH |
| Tag:                                  | His-tag   |
| Predicted MW:                         | 56.4 kDa  |
| Concentration:                        | lot specific  |
| Purity:                               | >85%  |
| Buffer:                               | Presentation State: Purified<br>State: Liquid purified protein<br>Buffer System: 20 mM Tris-HCl buffer (pH 8.0) containing 20% glycerol, 0.1M NaCl, 1 mM DTT, 0.1 mM PMSF   |
| Preparation:                          | Liquid purified protein   |
| Protein Description:                  | Recombinant human HDAC2 protein was expressed with c-terminal His-tag in high-5 cells using baculovirus expression system and purified by using conventional chromatography techniques.   |
| Storage:                              | Store undiluted at 2-8°C for up to two weeks or (in aliquots) at -20°C or -70°C for longer. Avoid repeated freezing and thawing.  |
| Stability:                            | Shelf life: one year from despatch.   |
| RefSeq:                               | <u><a href="#">NP_001518</a></u>  |



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|                   |  |
|-------------------|--|
| Locus ID:         | 3066   |
| UniProt ID:       | <a href="#">Q92769</a>   |
| Cytogenetics:     | 6q21   |
| Synonyms:         | HD2; KDAC2; RPD3; YAF1   |
| Summary:          | 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. [provided by RefSeq, Apr 2010] |
| Protein Families: | Druggable Genome, Stem cell - Pluripotency, Transcription Factors  |
| Protein Pathways: | Cell cycle, Chronic myeloid leukemia, Huntington's disease, Notch signaling pathway, Pathways in cancer  |

**Product images:**