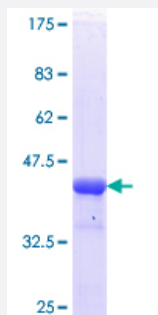


HDAC4 (Human) Recombinant Protein (Q01)

Catalog # H00009759-Q01

Size 25 ug, 10 ug

Applications



Specification

Product Description	Human HDAC4 partial ORF (NP_006028.1, 551 a.a. - 648 a.a.) recombinant protein with GST-tag at N-terminal.
Sequence	HAQAGVQVKQEPIESDEEEAEPPREVEPGQRQPSEQELLFRQQALLLEQQRIHQLRNYQASMEA AGIPVSFGGHRPLSRAQSSPASATFPVSVQEPPT
Host	Wheat Germ (in vitro)
Theoretical MW (kDa)	36.52
Interspecies Antigen Sequence	Mouse (92); Rat (92)
Preparation Method	in vitro wheat germ expression system
Purification	Glutathione Sepharose 4 Fast Flow
Quality Control Testing	12.5% SDS-PAGE Stained with Coomassie Blue.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
Storage Instruction	Store at -80°C. Aliquot to avoid repeated freezing and thawing.
Note	Best use within three months from the date of receipt of this protein.

Applications

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

Gene Info — HDAC4

Entrez GeneID [9759](#)

GeneBank Accession# [NM_006037](#)

Protein Accession# [NP_006028.1](#)

Gene Name HDAC4

Gene Alias HA6116, HD4, HDAC-A, HDACA, KIAA0288

Gene Description histone deacetylase 4

Omim ID [605314](#)

Gene Ontology [Hyperlink](#)

Gene Summary Histones play a critical role in transcriptional regulation, cell cycle progression, and developmental events. Histone acetylation/deacetylation alters chromosome structure and affects transcription factor access to DNA. The protein encoded by this gene belongs to class II of the histone deacetylase/acuc/apha family. It possesses histone deacetylase activity and represses transcription when tethered to a promoter. This protein does not bind DNA directly, but through transcription factors MEF2C and MEF2D. It seems to interact in a multiprotein complex with RbAp48 and HDAC3. [provided by RefSeq]

Other Designations histone deacetylase A

Disease

- [Cardiovascular Diseases](#)
- [Carotid Stenosis](#)

- [Cleft Lip](#)
- [Cleft Palate](#)
- [Craniofacial Abnormalities](#)
- [Diabetes Mellitus](#)
- [Edema](#)
- [Genetic Predisposition to Disease](#)
- [Mouth Abnormalities](#)
- [Schizophrenia](#)