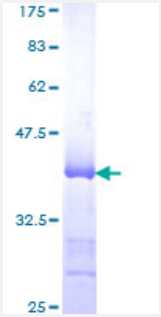
HDAC9 (Human) Recombinant Protein (Q01)

Catalog # H00009734-Q01 Size 25 ug, 10 ug

Applications



Specification

Product Description	Human HDAC9 partial ORF (NP_478056, 481 a.a. - 570 a.a.) recombinant protein with GST-tag at N-terminal.
Sequence	QIHMNKLLSKSIEQLKQPGSHLEEAEEELQGDQAMQEDRAPSSGNSTRSDSSACVDDTLGQVG AVKVKEEPVDSDEDAQIQEMESGEQAA
Host	Wheat Germ (in vitro)
Theoretical MW (kDa)	35.64
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 — HDAC9

Entrez GeneID	9734
GeneBank Accession#	NM_058176
Protein Accession#	NP_478056
Gene Name	HDAC9
Gene Alias	DKFZp779K1053, HD7, HDAC, HDAC7, HDAC7B, HDAC9B, HDAC9FL, HDRP, KIAA0744, MITR
Gene Description	histone deacetylase 9
Omim ID	606543
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 has sequence homology to members of the histone deacetylase family. This gene is orthologous to the Xenopus and mouse MITR genes. The MITR protein lacks the histone deacetylase catalytic domain. It represses MEF2 activity through recruitment of multicomponent corepressor complexes that include CtBP and HDACs. This encoded protein may play a role in hematopoiesis. Multiple alternatively spliced transcripts have been described for this gene but the full-length nature of some of them has not been determined. [provided by RefSeq
Other Designations	MEF-2 interacting transcription repressor (MITR) protein|histone deacetylase 4/5-related protein|histone deacetylase 7|histone deacetylase 7B

Disease

- Cardiovascular Diseases
- Cognition
- Diabetes Mellitus
- Disease Susceptibility
- Edema
- Schizophrenia
- Tobacco Use Disorder