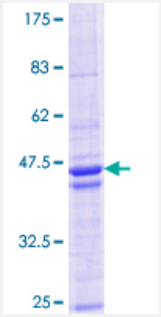
# HDAC8 (Human) Recombinant Protein (Q01)

Catalog # H00055869-Q01 Size 25 ug, 10 ug

## Applications




## Specification

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|---|---|
| **Product Description** | Human HDAC8 partial ORF ( NP_060956.1, 1 a.a. - 100 a.a.) recombinant protein with GST-tag at N-terminal. |
| **Sequence** | MEEPEEPADSGQSLVPVYIYSPEYVSMCDSLAKIPKRASMVHSLIEAYALHKQMRIVKPKVASME EMATFHTDAYLQHLQKVSQEGDDDHPDSIEYGLGY |
| **Host** | Wheat Germ (in vitro) |
| **Theoretical MW (kDa)** | 36.74 |
| **Interspecies Antigen Sequence** | Mouse (96) |
| **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 — HDAC8

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|---|---|
| **Entrez GeneID** | 55869 |
| **GeneBank Accession#** | NM_018486 |
| **Protein Accession#** | NP_060956.1 |
| **Gene Name** | HDAC8 |
| **Gene Alias** | HDACL1, RPD3 |
| **Gene Description** | histone deacetylase 8 |
| **Omim ID** | 300269 |
| **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 fa ctor access to DNA. The protein encoded by this gene belongs to class I of the histone deacetyla se/acuc/apha family. It has histone deacetylase activity and represses transcription when tethered to a promoter. [provided by RefSeq |
| **Other Designations** | histone deacetylase-like 1 |

## Disease

- Cardiovascular Diseases
- Diabetes Mellitus
- Edema