

Product datasheet

Recombinant Mouse HDAC8 protein ab219451

1 Image

Description

| | | |
|-----------------------------------|--|--|
| Product name | Recombinant Mouse HDAC8 protein | |
| Purity | > 90 % SDS-PAGE. purified by using conventional chromatography techniques. | |
| Endotoxin level | < 1.000 Eu/µg | |
| Expression system | Baculovirus infected insect cells | |
| Accession | Q8VH37 | |
| Protein length | Full length protein | |
| Animal free | No | |
| Nature | Recombinant | |
| Species | Mouse | |
| Sequence | <pre>MEMPEEPANSGHSLPPVYYSPEYVSICDSLKVPKRA SMVHSLIEAYAL HKQMRVVKPKVASMEEMATFHTDAYLQHLQKVSQEG DEDHPDSIEYGLGY DCPATEGIFDYAAAIGGGTITAAQCLIDGKCKVAINWSG GWHHAKKDEAS GFCYLNDAVLGILRLRRKFDRILYDLDLHHGDGVEDA FSFTSKVMTVSL HKFSPGFFPGTGDMSDVGLGKGRYYSVNVPIQDGIQD EKYYHICESVLKE VYQAFNPKAVVLQLGADTIAGDPMCSFNMTVPVIGKGC LKYYLQWQLATLI LGGGGYNLANTARCWTYLTGVILGKTLSSSEIPDHEFFTA YGPDYVLEITP SCRPDREPHRIQQILNYIKGNLKHVV</pre> | |
| Predicted molecular weight | 43 kDa including tags | |
| Amino acids | 1 to 377 | |
| Tags | His tag C-Terminus | |

Specifications

Our [Abpromise guarantee](#) covers the use of **ab219451** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Applications SDS-PAGE

Form Liquid

Preparation and Storage

Stability and Storage Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C or -80°C. Avoid freeze / thaw cycle.

pH: 7.4

Constituents: 10% Glycerol, 90% PBS

General Info

Function Responsible for the deacetylation of lysine residues on the N-terminal part of the core histones (H2A, H2B, H3 and H4). Histone deacetylation gives a tag for epigenetic repression and plays an important role in transcriptional regulation, cell cycle progression and developmental events. Histone deacetylases act via the formation of large multiprotein complexes. May play a role in smooth muscle cell contractility.

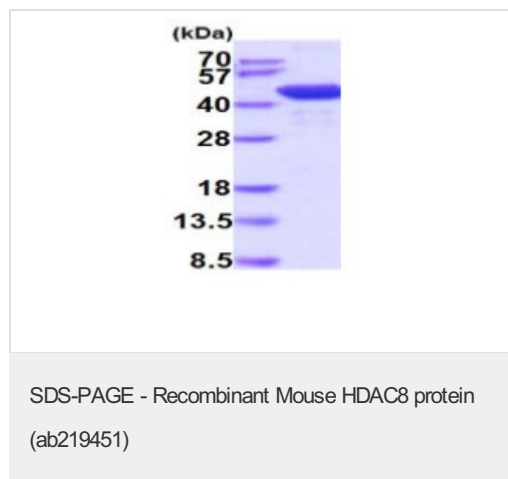
Tissue specificity Weakly expressed in most tissues. Expressed at higher level in heart, brain, kidney and pancreas and also in liver, lung, placenta, prostate and kidney.

Sequence similarities Belongs to the histone deacetylase family. HD type 1 subfamily.

Post-translational modifications Phosphorylated by PKA on serine 39. Phosphorylation reduces deacetylase activity observed preferentially on histones H3 and H4.

Cellular localization Nucleus. Cytoplasm. Excluded from the nucleoli. Found in the cytoplasm of cells showing smooth muscle differentiation.

Images



15% SDS Page analysis of ab219451

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