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HDAC6, human recombinant protein
KIAA0901, JM21, HD6
Catalog # PBV11144r

Specification

HDAC6, human recombinant protein - Product info

Primary Accession	Q9UBN7
Calculated MW	**159 kDa (N-terminal GST tag) KDa**

HDAC6, human recombinant protein - Additional Info

Gene ID	**10013**
Gene Symbol	**HDAC6**

Other Names
KIAA0901, JM21, HD6

Gene Source	**Human**
Source	**Baculovirus**
Assay&Purity	**SDS-PAGE; ≥82%**
Assay2&Purity2	**N/A;**
Recombinant	**Yes**
Results	**560 pmole/min/ µg.**

Target/Specificity
HDAC6

Format
Liquid

Storage
-80°C; In 50 mM Tris-HCl, pH 8.0, 500 mM NaCl, 50 mM KCl, 2 mM EDTA, 10% glycerol, and 2 mM DTT.

HDAC6, human recombinant protein - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

HDAC6, human recombinant protein - Images

HDAC6, human recombinant protein - Background

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HDAC6 is a Class II HDAC. It is unique among human HDACs in having two full deacetylase domains. As a tubulin deacetylase, HDAC6 may act to promote autophagic clearing of Huntington aggregates and retard HIV1 infection. It can shuttle between the nucleus and cytoplasm, suggesting potential extra nuclear functions by regulating the acetylation status of non-histone substrates. By modifying chromatin structure and other non-histone proteins, HDACs play important roles in controlling complex biological events, including cell development, differentiation, programmed cell death, angiogenesis, and inflammation. Considering these major roles, it is conceivable that dysregulation of HDACs and subsequent imbalance of acetylation and deacetylation may be involved in the pathogenesis of various diseases, including cancer and inflammatory diseases.

HDAC6, human recombinant protein - References

Grozinger C.M.,et al.Proc. Natl. Acad. Sci. U.S.A. 96:4868-4873(1999).
Nagase T.,et al.DNA Res. 5:355-364(1998).
Ohara O.,et al.Submitted (JAN-2004) to the EMBL/GenBank/DDBJ databases.
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Ross M.T.,et al.Nature 434:325-337(2005).