



HDAC6. Sf9 cells Active Enzyme

BACKGROUND

Human HDAC6 (GenBank Accession No. BC069243), full length with N-terminal GST tag, MW= 159 kDa, expressed in baculovirus expression system. 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 (By similarity). Plays a central role in microtubule-dependent cell motility via deacetylation of tubulin.

ACTIVITY

Optimal concentration should be evaluated by serial dilutions.

PURITY

>98% by SDS-PAGE

APPLICATIONS

Specific Activity: 50 U/ug. One U =1 pmol/min,
Located in the nucleus and Cytoplasm. Not:It is mainly cytoplasmic, where it is associated with microtubules.

ORDERING INFORMATION

CATALOG NUMBER

X1740E

SIZE

50 µg

CUSTOMER STORAGE

Product should be stored at -20°C.
Aliquot to avoid freeze/thaw cycles

FORMULATION

Formulated in 50 mM Tris-HCl, pH 8.0,
138 mM NaCl, 20 mM glutathione, and
10% glycerol.

SHIP CONDITIONS

Ship on dry ice, freeze upon arrival

STABILITY

Stable for 6 months when stored as
recommended.

CONCENTRATION

Lot Specific

SOURCE

Full length with N-Terminal GST tag

ASSAY METHODS

MATERIALS

Assay condition: 25 mM Tris/Cl, pH8.0, 137 mM NaCl, 2.7 mM KCl, 1 mM MgCl₂, and 0.1 mg/ml BSA, 30 uM HDAC substrate and 5 ng/ul HDAC6.

REFERENCES

PRODUCT SPECIFIC REFERENCES

Last Modified
5/30/2017

PROCEDURE

Incubation condition: 60 min at 30oC.

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