



**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**

Useful for the study of enzyme kinetics, screening inhibitors and selectivity profiling.

**ORDERING INFORMATION**

**CATALOG NUMBER**

X1740E

**SIZE**

50 µg

**CUSTOMER STORAGE**

Product should be stored at -80°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**

Products are stable for one year from  
purchase when stored properly

**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 MgCl<sub>2</sub>, and 0.1 mg/ml BSA, 30 uM HDAC substrate and 5 ng/ul HDAC6.

### **PROCEDURE**

Incubation condition: 60 min at 30oC.

### **REFERENCES**

### **PRODUCT SPECIFIC REFERENCES**