Active Recombinant Full Length Mouse HDAC6 Protein, N-GST-tagged

Cat. No. HDAC6-35MFL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant full-length mouse HDAC6 was expressed by baculovirus in Sf9 insect cells using an N-terminal GST tag.
Species	Mouse
Source	Insect Cells
Description	Enables cytoskeletal protein binding activity; protein deacetylase activity; and ubiquitin binding activity. Involved in several processes, including positive regulation of peptidyl-serine phosphorylation; protein deacetylation; and protein destabilization. Acts upstream of or within several processes, including aggresome assembly; cellular protein metabolic process; and neuron projection morphogenesis. Located in several cellular components, including dendrite; microtubule cytoskeleton; and perikaryon. Part of protein-containing complex. Is expressed in several structures, including central nervous system; early embryo; future midbrain; gut gland; and lung. Human ortholog(s) of this gene implicated in chondrodysplasia with platyspondyly, distinctive brachydactyly, hydrocephaly, and microphthalmia. Orthologous to human HDAC6 (histone deacetylase 6).
Form	50mM Tris-HCl, pH 7.5, 150mM NaCl, 10mM glutathione, 0.1mM EDTA, 0.25mMDTT, 25% glycerol.
Bio-activity	11,370 RLU/min/ng

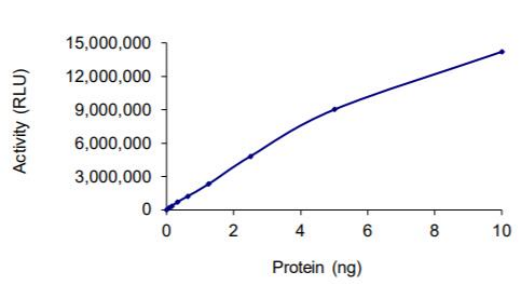
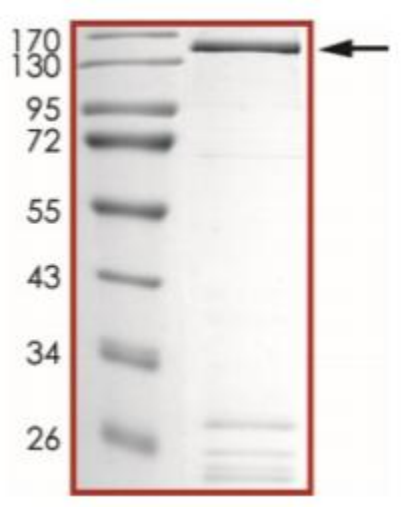
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Molecular Mass	Observed MW ~159 kDa. Calculated MW ~157 kDa.
Purity	>90%
Stability	lyr at -70 centigrade from date of shipment.
Storage	Store product at -70 centigrade.For optimal storage, aliquot target in to smaller quantities after centrifugation and store at recommended temperature. For most favorable performance,avoid repeated handling and multiplefreeze/thaw cycles.
Concentration	0.1 ug/ul

GENE INFORMATION

Gene Name	Hdac6 histone deacetylase 6 [Mus musculus (house mouse)]
Official Symbol	HDAC6
Synonyms	Hd6; Sfc6; Hdac5; mHDA2
Gene ID	15185
mRNA Refseq	NM_010413.4
Protein Refseq	NP_034543.3
UniProt ID	Q9Z2V5

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Specific Activity	 The specific activity of HDAC6 was determined to be 11,370RLU/min/ng as per activity assay protocol.
SDS-PAGE	 The purity of HDAC6 was determined to be >90% by densitometry.

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