

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

Cat. No. HDAC6-37DFL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant full-length dog HDAC6 was expressed by baculovirus in Sf9 insect cells using an N-terminal GST tag.
Species	Dog
Source	Insect Cells
Description	HDAC6 or Histone deacetylase 6 belongs to the histone deacetylase/acuc/apha family and is a component of the histone deacetylase complex. Histones play a critical role in transcriptional regulation, cell cycle progression, and developmental events. The protein encoded by this gene belongs to class II of the histone deacetylase family that regulates important biologic processes beyond histone metabolism and gene transcription (1). HDAC6 is a central component of the stress response that regulates SG formation and potentially contributes to control of RNA metabolism and translation (2).
Form	50mM Tris-HCl, pH 7.5, 150mM NaCl, 10mM glutathione, 0.1mM EDTA, 0.25mMDTT, 25% glycerol.
Bio-activity	7,125 RLU/min/ng
Molecular Mass	Observed MW ~158 kDa. Calculated MW ~156 kDa.

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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	0.05 ug/ul

GENE INFORMATION

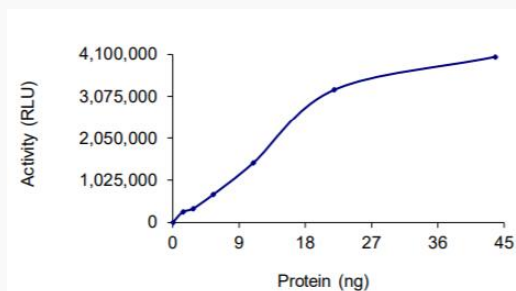
Gene Name	HDAC6 histone deacetylase 6 [Canis lupus familiaris (dog)]
Official Symbol	HDAC6
Synonyms	HD6; JM21; KIAAO901
Gene ID	480907
mRNA Refseq	XM_038449955.1
Protein Refseq	XP_038305883.1
UniProt ID	A0A8I3Q5U6

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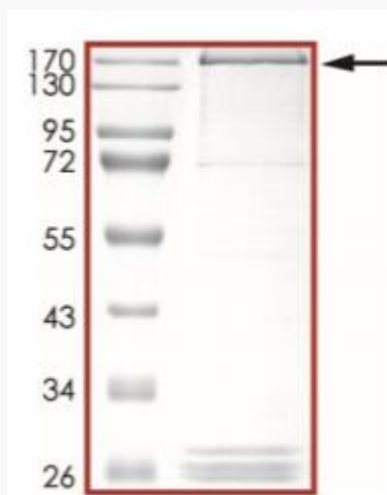
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Specific Activity



The specific activity of HDAC6 was determined to be 7125RLU/min/ng as per activity assay protocol.

SDS-PAGE



The purity of HDAC6 was determined to be >90% by densitometry.