

Active Recombinant Full Length Dog HDAC11 Protein, N-GST-tagged

Cat. No. HDAC11-37DFL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant full-length dog HDAC11 was expressed by baculovirus in Sf9 insect cells using an N-terminal GST tag.
Species	Dog
Source	Insect Cells
Description	HDAC11 belongs to the histone deacetylase/acuc/apha family and is a component of the histone deacetylase complex. HDAC11 belongs to class IV of the histone deacetylase family that localizes to the nucleus and is involved in regulating the expression of interleukin 10 (1). HDAC11 expression is the highest in brain, heart, skeletal muscle, kidney and testis. HDAC11 control the DNA expression by modifying the core histone octamers that package DNA into dense chromatin structures and repress gene expression. HDAC11 has HDAC activity and this activity is inhibitable by trapoxin, an HDAC inhibitor (2). In coimmunoprecipitation experiments, HDAC11 interacts with HDA6.
Form	50mM Tris-HCl, pH 7.5, 150mM NaCl, 10mM glutathione, 0.1mM EDTA, 0.25mMDTT, 25% glycerol.
Bio-activity	34 RLU/min/ng
Molecular Mass	Observed MW ~66 kDa. Calculated MW ~65 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	0.1 ug/ul

GENE INFORMATION

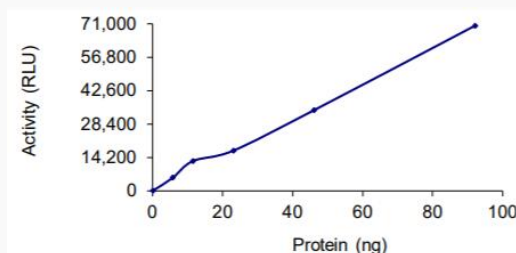
Gene Name	HDAC11 histone deacetylase 11 [Canis lupus familiaris (dog)]
Official Symbol	HDAC11
Synonyms	FLJ22237;HD11
Gene ID	484633
mRNA Refseq	XM_038426810.1
Protein Refseq	XP_038282738.1
UniProt ID	A0A8P0NXA6

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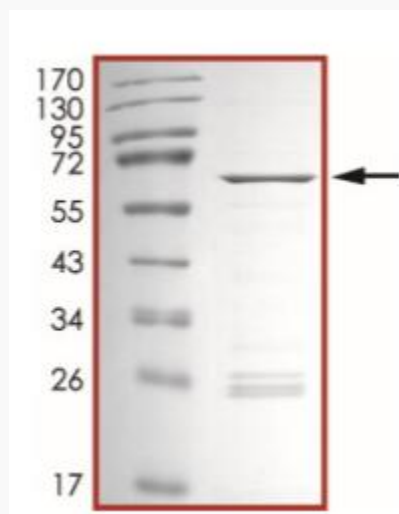
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Specific Activity



The specific activity of HDAC11 was determined to be 34RLU/min/ng as per activity assay protocol.

SDS-PAGE



The purity of HDAC11 was determined to be >90% by densitometry.