

Active Recombinant Full Length *Macaca fascicularis* HDAC11 Protein, N-GST-tagged

Cat. No. HDAC11-38MFL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant full-length <i>Macaca fascicularis</i> HDAC11 was expressed by baculovirus in Sf9 insect cells using an N-terminal GST tag.
Species	<i>Macaca fascicularis</i>
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	46 RLU/min/ng
Molecular Mass	Observed MW ~66 kDa. Calculated MW ~65 kDa.

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Purity	>85%
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 multiple freeze/thaw cycles.
Concentration	0.1 ug/ul

GENE INFORMATION

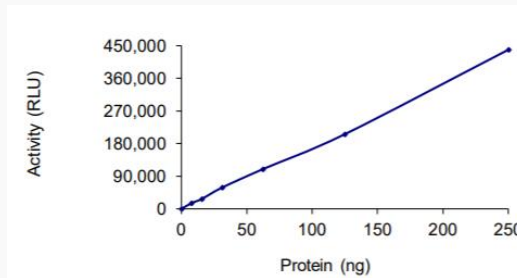
Gene Name	HDAC11 histone deacetylase 11 [<i>Macaca mulatta</i> (Rhesus monkey)]
Official Symbol	HDAC11
Synonyms	FLJ22237;HD11
Gene ID	693537
mRNA Refseq	NM_001265655.1
Protein Refseq	NP_001252584.1
UniProt ID	Q9GKU5

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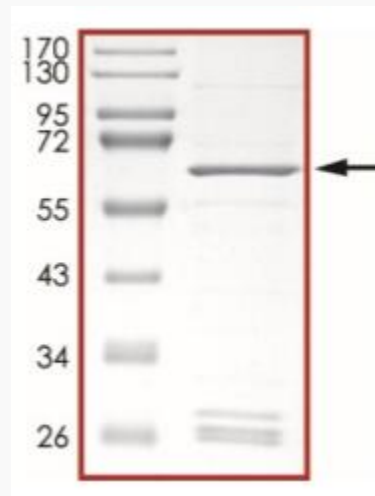
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Specific Activity



The specific activity of HDAC11 was determined to be 46RLU/min/ng

SDS-PAGE



The purity of HDAC11 was determined to be >85% by densitometry.