

Active Recombinant Full Length *Macaca fascicularis* HDAC6 Protein, N-GST-tagged

Cat. No. HDAC6-38MFL Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant full-length <i>Macaca fascicularis</i> HDAC6 was expressed by baculovirus in Sf9 insect cells using an N-terminal GST tag.
Species	<i>Macaca fascicularis</i>
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, 0.25mM DTT, 25% glycerol.
Bio-activity	11,601 RLU/min/ng
Molecular Mass	Observed MW ~166 kDa. Calculated MW ~164 kDa.

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Purity	>70%
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

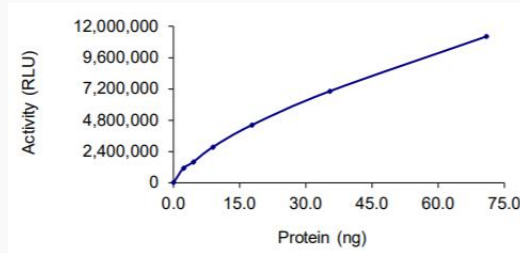
GENE INFORMATION

Gene Name	HDAC6 histone deacetylase 6 [<i>Macaca mulatta</i> (Rhesus monkey)]
Official Symbol	HDAC6
Synonyms	HD6; JM21; KIAAO901
Gene ID	711363
mRNA Refseq	NM_001194196.2
Protein Refseq	NP_001181125.1
UniProt ID	A0A2K5VKA4

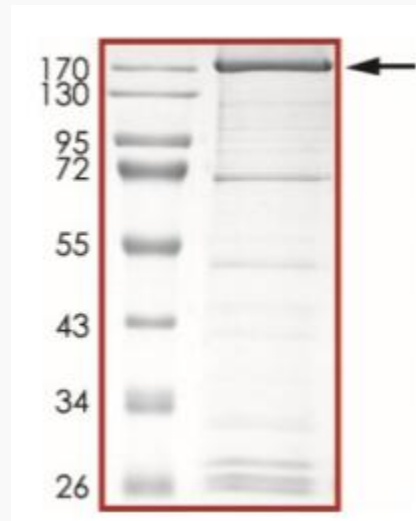
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Specific Activity

The specific activity of HDAC6 was determined to be 11601RLU/min/ng as per activity assay protocol.

SDS-PAGE

The purity of HDAC6 was determined to be >70% by densitometry.

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