Recombinant Human Histone Deacetylase 11, GST-tagged

Cat. No. HDAC11-1589H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant full length human HDAC11 was expressed by baculovirus in Sf9 insect cells using an N-terminal GST tag.
Species	Human
Source	Sf9 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. HDAC11 expression is the highest in brain, heart, skeletal muscle, kidney and testis.
Applications	HDAC Assay, Western Blot
Molecular Weight	66 kDa
Expression System	Sf9 insect cells using baculovirus
Form	Recombinant protein stored in 50 mM Tris-HCl, pH 7.5, 150 mM NaCl, 10 mM glutathione, 0.1 mM EDTA, 0.25 mM DTT, 0.1 mM PMSF, 25% glycerol.
Purity	>75%
Concentration	0.1 ug/ul

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Specific Activity	52 RLU/min/ng
Sequences	Full length
Storage	Store product at -70°C. For optimal storage, aliquot target into smaller quantities after centrifugation and store at recommended temperature. For most favorable performance, avoid repeated handling and multiple freeze/thaw cycles.
Pathways	Signaling events mediated by HDAC Class I; Signaling events mediated by HDAC Class II
Full Length	Full L.

GENE INFORMATION

Gene Name	HDAC11 histone deacetylase 11 [Homo sapiens]
Official Symbol	HDAC11
Synonyms	HDAC11; histone deacetylase 11; HD11; FLJ22237; histone deacetylase 11; OTTHUMP00000160231; OTTHUMP00000197639; OTTHUMP00000197644; OTTHUMP00000197649; OTTHUMP00000208001; OTTHUMP00000209466; OTTHUMP00000226982
Gene ID	79885
mRNA Refseq	NM_024827
Protein Refseq	NP_079103
MIM	601241

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UniProt ID	Q96DB2
Chromosome Location	3p25
Function	NAD-dependent histone deacetylase activity (H3-K14 specific); NAD-dependent histone deacetylase activity (H3-K9 specific); NAD-dependent histone deacetylase activity (H4-K16 specific); histone deacetylase activity; histone deacetylase activity (H3-K16 specific); hydrolase activity; transcription factor binding

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