

Active Recombinant Full Length Human HDAC11 Protein, Tag Free

Cat. No. HDAC11-92H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant full length human HDAC11 (residues 1-347), expressed without tag in an insect cell/baculovirus system.
Species	Human
Source	Insect Cells
ProteinLength	1-347 aa
Description	This gene encodes a class IV histone deacetylase. The encoded protein is localized to the nucleus and may be involved in regulating the expression of interleukin 10. Alternative splicing results in multiple transcript variants.
Form	50 mM Tris/HCl, pH 8.0, 500 mM NaCl, 10% glycerol (v/v)
Bio-activity	HDAC11 displays deacetylase activity with the fluorogenic substrate Boc-Lys(TFA)-AMC. Reactions were performed at 37 centigrade in 50 mM Tris-HCl, pH 8.0, 137 mM NaCl, 2.7 mM KCl, 1 mM MgCl ₂ , 1 mg/mL BSA. Reactions were stopped and fluorescence signals developed by addition of an equal volume of "Developer" (16 mg/mL trypsin/2 µM trichostatin A in the same buffer). Fluorescence (Ex. 355 nm/Em. 460 nm) was read every 5 min., until signal stabilized, indicating that trypsin cleavage of the deacetylated peptide (Boc-Lys(TFA)-AMC), to release the AMC fluorophor was complete (< 2 hrs.)

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

Molecular Mass	42.2 kDa
Purity	> 75% by SDS-PAGE
Storage	At -70 centigrade. Thaw quickly and store on ice before use. The remaining, unused, undiluted protein should be snap frozen, for example in a dry/ice ethanol bath or liquid nitrogen. Minimize freeze/thaws if possible, but very low volume aliquots (< 5 µL) or storage of diluted enzyme is not recommended.

GENE INFORMATION

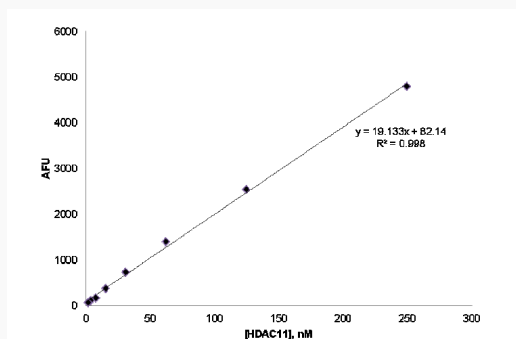
Gene Name	HDAC11 histone deacetylase 11 [Homo sapiens (human)]
Official Symbol	HDAC11
Synonyms	HDAC11; histone deacetylase 11; HD11; histone deacetylase 11; EC 3.5.1.98
Gene ID	79885
mRNA Refseq	NM_024827
Protein Refseq	NP_079103
MIM	607226
UniProt ID	Q96DB2

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

Activity



SDS-PAGE



Tel: 1-631-559-9269 1-516-512-3133

Email: info@creative-biomart.com Fax: 1-631-938-8127

45-1 Ramsey Road, Shirley, NY 11967, USA