

Active Recombinant Human HDAC6 protein, His-tagged

Cat. No. HDAC6-131H Lot. No. (See product label)

SPECIFICATION

Product Overview	Active Recombinant Human HDAC6 protein(Q9UBN7)(166-348 aa), fused with N-terminal His tag, was expressed in E.coli.
Species	Human
Source	E.coli
ProteinLength	166-348 aa
Form	PBS, pH7.4, containing 0.01% SKL, 1mM DTT, 5% Trehalose and Proclin300.
Bio-activity	<p>Histone Deacetylase 6 (HDAC6) belongs to class II of the histone deacetylase/acuc/apha family. It contains an internal duplication of two catalytic domains that appear to function independently of each other. This protein possesses histone deacetylase activity and represses transcription. HDAC6 also affects transcription and translation by regulating the heat-shock protein 90 (Hsp90) and stress granules (SGs), respectively. Besides, Sirtuin 2 (SIRT2) has been identified as an interactor of HDAC6, thus a binding ELISA assay was conducted to detect the interaction of recombinant human HDAC6 and recombinant human SIRT2. Briefly, HDAC6 were diluted serially in PBS, with 0.01% BSA (pH 7.4). Duplicate samples of 100µl were then transferred to SIRT2-coated microtiter wells and incubated for 2h at 37°C. Wells were washed with PBST and incubated for 1h with anti-HDAC6 pAb, then aspirated and washed 3 times. After incubation with HRP labelled secondary antibody, wells were aspirated and washed 3 times. With the addition of substrate</p>

 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

solution, wells were incubated 15-25 minutes at 37°C. Finally, add 50µ stop solution to the wells and read at 450nm immediately. The binding activity of HDAC6 and SIRT2 was shown, and this effect was in a dose dependent manner.

Molecular Mass 21.7kDa

Endotoxin <1.0EU per 1µg (determined by the LAL method).

Purity > 95%

Storage Avoid repeated freeze/thaw cycles. Store at 2-8°C for one month. Store at -20°C for 12 months. Aliquot and store at -80°C for 12 months.

Reconstitution Reconstitute in 10mM PBS (pH7.4) to a concentration of 0.1-1.0 mg/mL. Do not vortex.

GENE INFORMATION

Gene Name HDAC6 histone deacetylase 6 [Homo sapiens]

Official Symbol HDAC6

Synonyms HDAC6; histone deacetylase 6; FLJ16239; HD6; JM21; KIAA0901;

Gene ID 10013

mRNA Refseq NM_006044

Protein Refseq NP_006035

MIM 300272

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

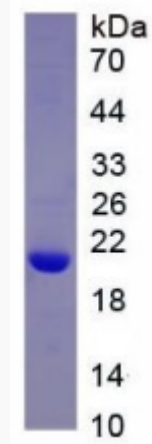
 Email: info@creative-biomart.com  Fax: 1-631-938-8127

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

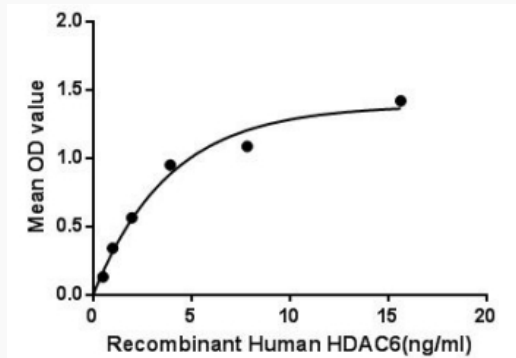
UniProt ID

Q9UBN7

SDS-PAGE



Activity



 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