

Recombinant Human HDAC6 protein, FLAG-tagged

Cat. No. HDAC6-400H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human HDAC6 was expressed in a baculovirus expression system as the full length protein (accession number NP_001308154.1) with a C-terminal FLAG-Tag. The molecular weight of the protein is 135.7 kDa. The recombinant protein is >85% pure by SDS-PAGE.
Species	Human
Source	Insect Cells
Form	25 mM HEPES-NaOH pH 7.5, 300 mM NaCl, 10% glycerol, 0.04% Triton X-100, 0.5 mM TCEP.
Molecular Mass	135.7 kDa
Purity	>85%
Applications	Recombinant HDAC6 protein is useful for the study of enzyme kinetics, screening inhibitors, and selectivity profiling.
Storage	Recombinant proteins in solution are temperature sensitive and must be stored at -80 centigrade to prevent degradation. Avoid repeated freeze/thaw cycles and keep on ice when not in storage.
Expiry	6 months

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Concentration 0.3 µg/µl

Full Length Full L.

GENE INFORMATION

Gene Name HDAC6 histone deacetylase 6 [Homo sapiens (human)]

Official Symbol HDAC6

Synonyms Histone Deacetylase 6; HDAC-6; HD6

Gene ID 10013

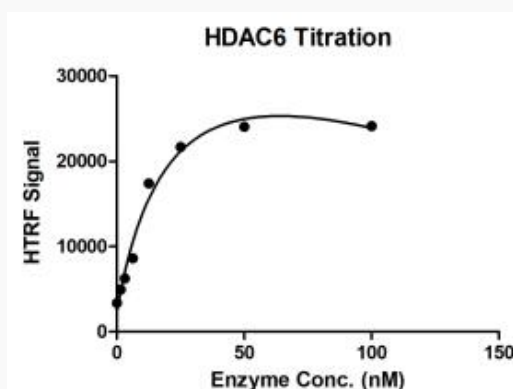
mRNA Refseq NM_006044

Protein Refseq NP_006035

MIM 300272

UniProt ID Q9UBN7

HTRF assay for
Recombinant HDAC6
activity



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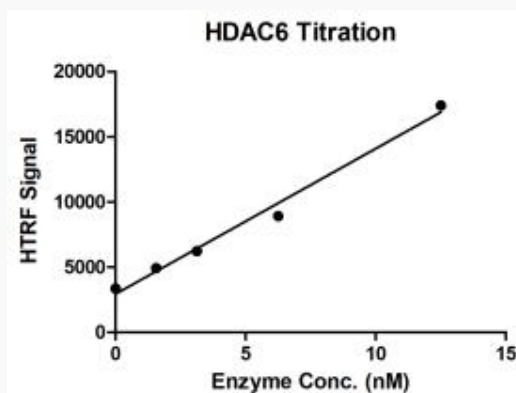
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1 μ M H3K9ac (1-21 aa) peptide was incubated with different concentrations of HDAC6 protein in a 10 μ l reaction system containing 25 mM Tris-HCl pH 8.0, 137 mM NaCl, 1 mM MgCl₂, 2.7 mM KCl, 0.1% BSA for 30 min at 37°, then 10 μ l H3K9me0 antibody and SA-XL665 mixture (1:100 dilution in HTRF Detection Buffer) was added to each reaction system and incubated for 30 min at room temperature.

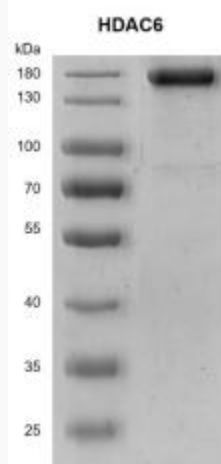
HTRF assay was used for detection.

HTRF assay for Recombinant HDAC6 activity



1 μ M H3K9ac (1-21 aa) peptide was incubated with different concentrations of HDAC6 protein in a 10 μ l reaction system containing 25 mM Tris-HCl pH 8.0, 137 mM NaCl, 1 mM MgCl₂, 2.7 mM KCl, 0.1% BSA for 30 min at 37 °C, then 10 μ l antiH3K9me0 antibody and SA-XL665 mixture (1:100 dilution in HTRF Detection Buffer) was added to each reaction system and incubated for 30 min at room temperature. HTRF assay was used for detection.

**Recombinant HDAC6
protein gel.**



HDAC6 protein was run on a 8% SDS-PAGE gel and stained with Coomassie Blue.

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