

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
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Full Length	Full L.
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GENE INFORMATION

Gene Name	HDAC6 histone deacetylase 6 [Homo sapiens (human)]
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Official Symbol	HDAC6
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Synonyms	Histone Deacetylase 6; HDAC-6; HD6
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Gene ID	10013
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mRNA Refseq	NM_006044
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Protein Refseq	NP_006035
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MIM	300272
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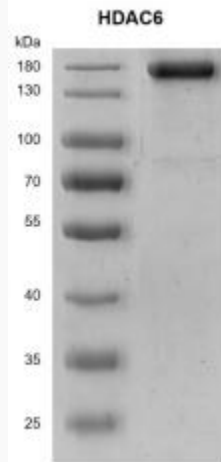
UniProt ID	Q9UBN7
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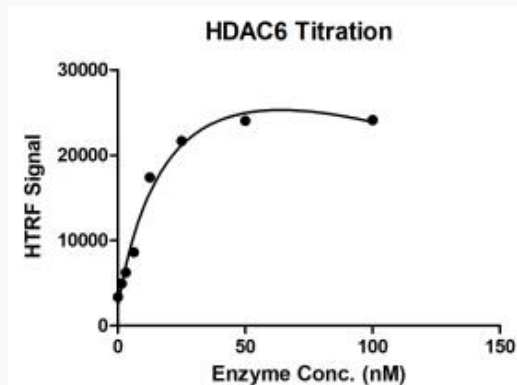
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**Recombinant HDAC6
protein gel.**



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

**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°, 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.

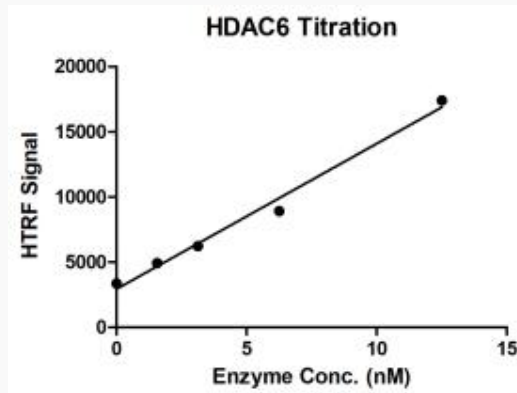
HTRF assay was used for detection.

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