

Recombinant Human HDAC6 Protein, His-tagged

Cat. No. HDAC6-2236H Lot. No. (See product label)

SPECIFICATION

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| Product Overview | Recombinant Human HDAC6 Protein (Ser479-Arg835) with a N-His tag was expressed in E. coli. |
| Species | Human |
| Source | E.coli |
| ProteinLength | Ser479-Arg835 |
| Description | Histones play a critical role in transcriptional regulation, cell cycle progression, and developmental events. Histone acetylation/deacetylation alters chromosome structure and affects transcription factor access to DNA. The protein encoded by this gene belongs to class II of the histone deacetylase/acuc/apha family. It contains an internal duplication of two catalytic domains which appear to function independently of each other. This protein possesses histone deacetylase activity and represses transcription. |
| Form | Freeze-dried powder |
| Molecular Mass | Predicted Molecular Mass: 42.7 kDa Accurate Molecular Mass: 43 kDa |
| Endotoxin | <1.0 EU per 1g (determined by the LAL method). |
| Purity | > 80% |

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| Applications | Positive Control; Immunogen; SDS-PAGE; WB. |
| Stability | The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37 centigrade for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition. |
| Storage | Avoid repeated freeze/thaw cycles. Store at 2-8 centigrade for one month. Aliquot and store at -80 centigrade for 12 months. |
| Storage Buffer | 20mM Tris, 150mM NaCl, pH8.0, containing 1mM EDTA, 1mM DTT, 0.01% SKL, 5% Trehalose and Proclin300. |
| Reconstitution | Reconstitute in 20mM Tris, 150mM NaCl (pH8.0) to a concentration of 0.1-1.0 mg/mL. Do not vortex. |

GENE INFORMATION

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

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UniProt ID

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