Recombinant Human HDAC4 Protein (T648-T1057), Tag Free

Cat. No. HDAC4-1044H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human HDAC4(T648-T1057) Protein was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	T648-T1057
Description	Responsible for the deacetylation of lysine residues on the N-terminal part of the core histones (H2A, H2B, H3 and H4). Histone deacetylation gives a tag for epigenetic repression and plays an important role in transcriptional regulation, cell cycle progression and developmental events. Histone deacetylases act via the formation of large multiprotein complexes. Involved in muscle maturation via its interaction with the myocyte enhancer factors such as MEF2A, MEF2C and MEF2D. Involved in the MTA1-mediated epigenetic regulation of ESR1 expression in breast cancer. Deacetylates HSPA1A and HSPA1B at 'Lys-77' leading to their preferential binding to co-chaperone STUB1.
Form	Liquid
Endotoxin	< 0.01 EU per μg of the protein
Purity	90%
Stability	Samples are stable for up to twelve months from date of receipt at -20 to -80

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	centigrade.
Storage	Store it under sterile conditions at -20 to -80 centigrade. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.
Storage Buffer	Supplied as sterile 50 mM Tris-HCl (pH7.5), 200 mM NaCl, 20% glycerol
Shipping	It is shipped out with blue ice.

GENE INFORMATION

Gene Name	HDAC4 histone deacetylase 4 [Homo sapiens (human)]
Official Symbol	HDAC4
Synonyms	HDAC4; histone deacetylase 4; HA6116; HD4; HDAC 4; HDAC A; HDACA; KIAA0288; histone deacetylase A; AHO3; BDMR; HDAC-4; HDAC-A;
Gene ID	9759
mRNA Refseq	NM_006037
Protein Refseq	NP_006028
MIM	605314
UniProt ID	P56524

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