

37-1263: Human HDAC8 / HDACL1 Recombinant Protein (GST Tag)(Discontinued)

Reactivity :	Human
Alternative Name :	CDA07 Protein, CDLS5 Protein, HD8 Protein, HDACL1 Protein, MRXS6 Protein, RPD3 Protein, WTS Protein,

Description

Source : Baculovirus-Insect Cells

Histone deacetylase 8, also known as HDAC8 and HDACL1, is a nucleus and cytoplasm protein which belongs to the histone deacetylase family and HD type 1 subfamily. Histone deacetylases (HDACs) are a growing family of enzymes implicated in transcriptional regulation by affecting the acetylation state of core histones in the nucleus of cells. HDAC8 / HDACL1 is weakly expressed in most tissues. It is expressed at a higher level in heart, brain, kidney and pancreas and also in liver, lung, placenta, prostate and kidney. HDAC8 / HDACL1 is 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. HDAC8 / HDACL1 may play a role in smooth muscle cell contractility. HDAC8 / HDACL1 may be a potential drug target for neuroblastoma differentiation therapy using selective inhibitors, avoiding unspecific side effects.

Product Info

Amount :	Human HDAC8 / HDACL1 Recombinant Protein (GST Tag)(Discontinued) / 100 µg
Purification :	> 88 % as determined by SDS-PAGE
Content :	Formulation Lyophilized from sterile 50mM Tris, 100mM NaCl, 0.5mM PMSF, 10% glycerol, pH 8.0 Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization.
Storage condition :	Store it under sterile conditions at -20°C to -80°C. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.
Amino Acid :	Met1-Val377

Application Note

Endotoxin : < 1.0 EU per µg of the protein as determined by the LAL method

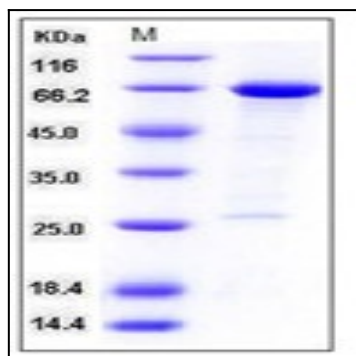


Fig 1: Human HDAC8 / HDACL1 Recombinant Protein (GST Tag)