

9853 Pacific Heights Blvd. Suite D. San Diego, CA 92121, USA Tel: 858-263-4982

Email: info@abeomics.com

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

Reactivity: Human

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

# **Description**

### **Source: Baculovirus-Insect Cells**

Histone deacetylase 8, also known as HDAC8 and HDACL1, is a nucleus and cytoplasm protein which belongs to thehistone 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 expressed at 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

Formulation Lyophilized from sterile 50mM Tris, 100mM NaCl, 0.5mM PMSF, 10% glycerol, pH

Content: Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before

lyophilization.

Store it under sterile conditions at -20°C to -80°C. It is recommended that the protein be Storage condition:

aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

Met1-Val377 **Amino Acid:** 

### **Application Note**

Endotoxin :< 1.0 EU per  $\tilde{A} \square \hat{A} \mu g$  of the protein as determined by the LAL method

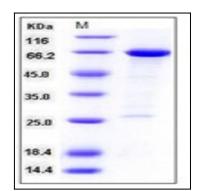


Fig 1: Human HDAC8 / HDACL1 Recombinant Protein (GST Tag)