



# SZABO SCANDIC

Part of Europa Biosite

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### Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

### SZABO-SCANDIC HandelsgmbH

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## Data Sheet

### **HDAC 9**

Human, recombinant, C-terminal His-tag

**Catalog #:** 50009

**Lot#:** 130502-66      **Conc.:** 0.68 mg/ml

**Formulated in:** 40 mM Tris-HCl, pH 8.0, 110 mM NaCl, 2.2 mM KCl, 66 mM Imidazole, and 20% glycerol.

**Stability:** >6 months at  $-70^{\circ}\text{C}$ . Avoid freeze/thaw cycles.

**References:**

1. Han *et al.*, (2005) *J. Mol. Biol.* **345**, 91-102
2. Lomonte *et al.*, (2004) *J. Virol* **78**, 6744-6757.

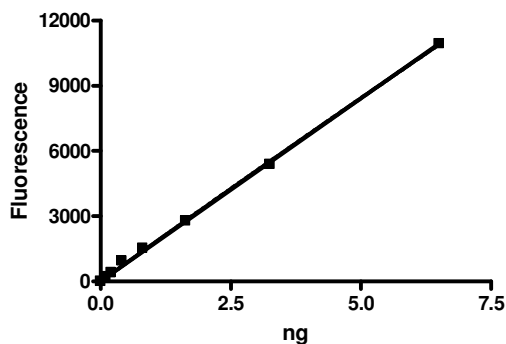
**Description:** Human HDAC9 (GenBank Accession No. NM\_178423), amino acids 604- 1066 with C-terminal His-tag, MW= 50.8 kDa, expressed in baculovirus expression system.

**Specific Activity:** 3,000 pmol/min/ $\mu\text{g}$ . Assay condition: 25 mM Tris/HCl, pH 8.0, 137 mM NaCl, 2.7 mM KCl, 1 mM  $\text{MgCl}_2$ , and 0.1 mg/ml BSA, 20  $\mu\text{M}$  BPS HDAC substrate (Catalog #50040), and HDAC9. Incubation condition: 30 min at  $37^{\circ}\text{C}$  followed by developing for 15 min at room temperature.

**Application:** Useful for the study of enzyme kinetics, screening inhibitors, and selectivity profiling.

### **Quality Assurance**

**Specific Activity**



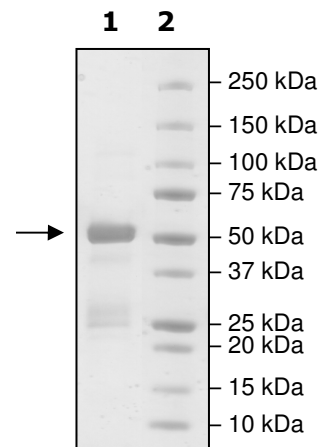
**4-20% SDS-PAGE**  
**Coomassie staining**

**Lane 1:**  
3.15  $\mu\text{g}$  HDAC9

**Lane 2:**  
Protein Marker

**MW:** 50.8 kDa

**Purity:**  $\geq 77\%$



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Sequence:

MRLVSRTHSSPAASVLPHPAMDRPLQPGSATGIAYDPLMLKHQCVCNSTTHPEHA  
GRIQSIWSRLQETGLLNKCEIQGRKASLEEIQLVHSEHHSLLYGTNPLDGQKLDPRIL  
LGDDSQKFFSSLPCGGLGVDSDTIWNELHSSGAARMAVGCVIELASKVASGELKNGF  
AVVRPPGHHAEESTAMGFCFFNSVAITAKYLRDQLNISKILIVDLVDVHHGNGTQQAFY  
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FRTIVKPVAKFDPDMVLVSAGFDALEGHTPPLGGYKVTAKCFGHLTKQLMTLADGR  
VVLALEGGHDLTAICDASEACVNALLGNELEPLAEDILHQSPNMNAVISLQKIIQSKY  
WKSVRMVAVPRGCALAGAQLQEETETVSALASLTVDVEQPFAQEDSRTAGEPMEEE  
PALHHHHHH

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