



# SZABO SCANDIC

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- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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## Data Sheet

### HDAC 1, His-tag, FLAG-tag

Human, Recombinant, C-terminal His-tag,  
 C-terminal FLAG-tag  
**Catalog #:** 50051  
**Lot #:** 200109                      **Conc.:** 0.33 mg/ml

**Formulated in:** 40 mM Tris-HCl, pH 8.0,  
 110 mM NaCl, 2.2 mM KCl, 80 ng/μl FLAG  
 peptide, and 20% glycerol.

**Stability:** At least 6 months at -80°C.  
 Avoid freeze/thaw cycles.

**References:**

1. Rikimaru, T. *et al.*, *Oncology* **72(1-2)**, 69-74 (2007).
2. Ishihama, K. *et al.*, *J Clin Pathol* **60(11)**, 1205-10 (2007).

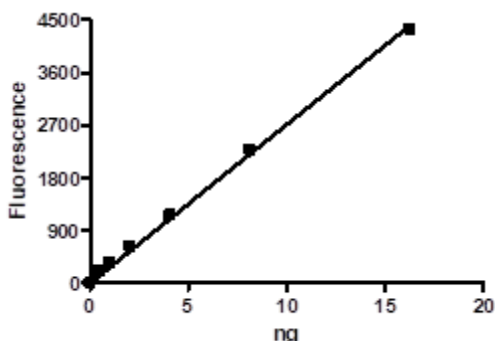
**Description:** Human HDAC1, GenBank Accession No. NM\_004964, a.a. full length with C-terminal His-tag and C-terminal FLAG-tag, expressed in a baculovirus expression system. MW = 56 kDa. Recombinant HDAC1 forms a complex with endogenous Hsp70. The identity of Hsp70 was confirmed by MALDI-TOF mass spectrometry.

**Specific Activity:** ≥460 pmol/min/μg.  
 Assay conditions: 25 mM Tris/HCl, pH 8.0, 137 mM NaCl, 2.7 mM KCl, 1 mM MgCl<sub>2</sub>, and 0.1 mg/ml BSA, 20 μM BPS HDAC substrate 3 (Catalog #50037), and HDAC1 (0.8 – 50 ng). Incubation condition: 30 min at 37°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

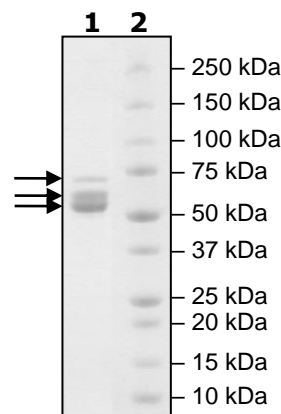
**Specific Activity**



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

**Lane 1:**  
 4 μg HDAC1 +  
 Hsp70 + Tubulin  
**Lane 2:**  
 Protein Marker

**MW:** 56 kDa  
**Purity:** ≥90%



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