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## Data Sheet

### HDAC 5 Catalytic Domain

human, recombinant, C-terminal His-tag

**Catalog #:** 50005

**Lot#:** 100414      **Conc.:** 1.65 mg/ml

**Formulated in:** 45 mM Tris-HCl, pH 8.0, 124 mM NaCl, 2.4 mM KCl, 225 mM imidazole, and 10% glycerol.

**Stability:** >6 months at  $-80^{\circ}\text{C}$ . Avoid freeze/thaw cycles.

#### References:

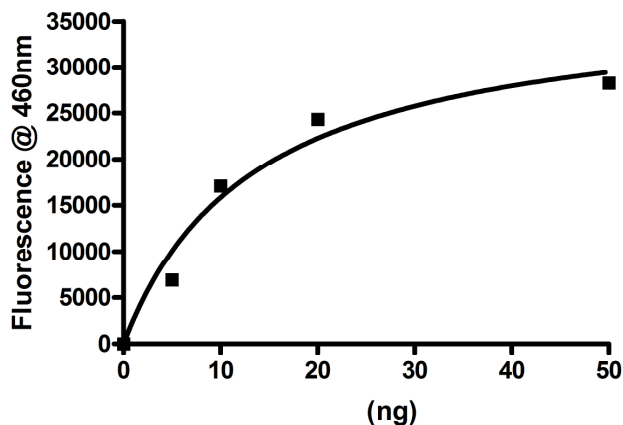
1. Spiegelberg, B.D. and Hamm, H.E. (2005) *J. Biol. Chem.* **280**, 41769-41776
2. Waltregny *et al.*, (2004) *J. Neural Transm.* **48**, 273-290.

**Description:** Human HDAC5 catalytic domain, variant 1 (GenBank Accession No. NM\_005474), amino acid 656-1122 (end) with C-terminal His-tag, MW= 51 kDa, expressed in baculovirus expression system.

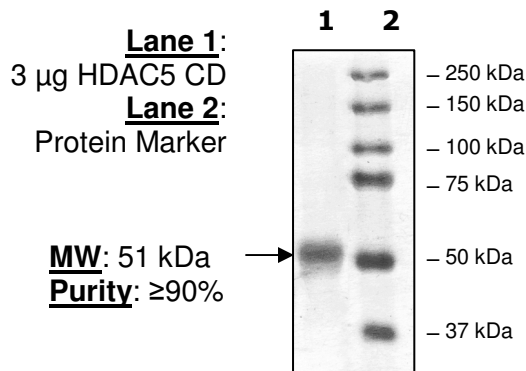
**Specific Activity:** 2521 pmol/min/ $\mu\text{g}$ . Assay condition: 25 mM Tris/HCl, pH 8.0, 137 mM NaCl, 2.7 mM KCl, 1 mM  $\text{MgCl}_2$ , and 0.1 mg/ml BSA, 30  $\mu\text{M}$  BPS substrate (Catalog #50040), and HDAC5. Incubation condition: 30 min at  $30^{\circ}\text{C}$ .

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

### Quality Assurance



### 10% SDS-PAGE Coomassie staining



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