

Data Sheet

HDAC 1

Human, recombinant, His- and FLAG-tag
Catalog #: w60062
Lot#: 130418 **Conc.:** 0.24 mg/ml

Formulated in: 40 mM Tris, pH 8.0, 110 mM NaCl, 2.2 mM KCl, 80 ng/uL Flag peptide, and 20% glycerol.

Stability: >6 months at -80 °C

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).

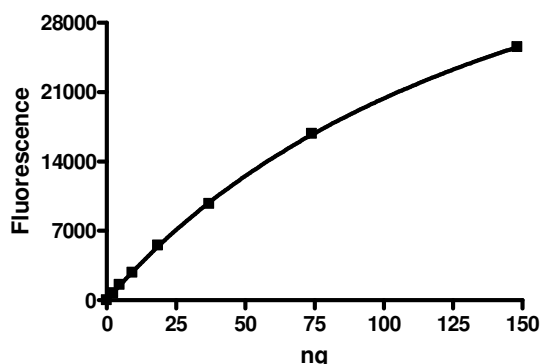
Description: Human HDAC1 (GenBank Accession No. NM_004964), full length with C-terminal His-tag and C-terminal FLAG-tag, MW= 56 kDa, expressed in baculovirus expression system.

Specific Activity: 378 pmol/min/μg. Assay conditions: 25 mM Tris/HCl, pH 8.0, 137 mM NaCl, 2.7 mM KCl, 1 mM MgCl₂, and 0.1 mg/ml BSA, 20 μM WestBio HDAC substrate 3 (Catalog #w60048), and HDAC1. HDAC reaction was done for 30 min at 37°C followed by treatment with 50 μl of HDAC developer (Catalog #w60041) for 15 min at RT.

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

Quality Assurance

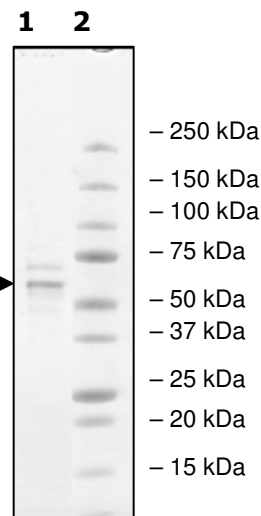
Specific Activity



4-20% SDS-PAGE Coomassie staining

Lane 1:
1 μg HDAC1
Lane 2:
Protein Marker

MW: 56 kDa
Purity: ≥59%



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