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Lieferung & Zahlungsart

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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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Data Sheet

HDAC5, GST-Tag, His-Tag

Human, Recombinant, N-terminal GST-tag,
 C-terminal His-tag

Catalog #: 100102

Lot #: 180709-2 **Conc.:** 0.32 mg/ml

Formulated in: 40 mM Tris-HCl, pH 8.0, 110 mM NaCl, 2.2 mM KCl, 16mM Glutathione, 20% glycerol.

Stability: At least 6 months at -80°C . *Avoid freeze/thaw cycles. Storing diluted enzyme is not recommended, if necessary, use carrier protein (BSA 0.1 – 0.5%).*

References:

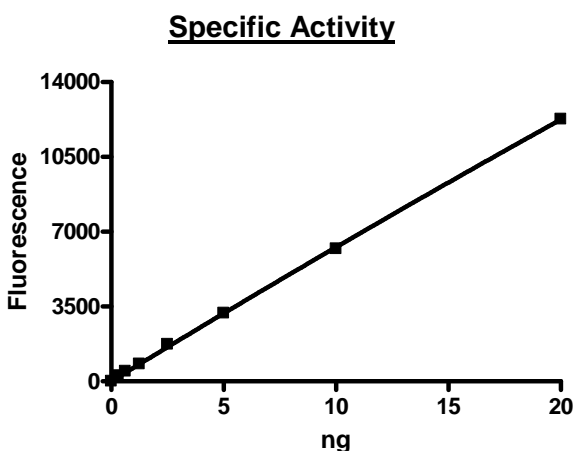
1. Spiegelberg, B.D. and Hamm, H.E. (2005) *J. Biol. Chem.* **280**, 41769-41776
2. Waltregny et al., (2004) *J. Neural Transm.* **48**, 273-290.

Description: Human HDAC5, also known as histone deacetylase 5, GenBank Accession No. NM_005474, a.a. 1-1122 (end) with N-terminal GST-tag and C-terminal His-tag, expressed in a HEK293 expression system. MW=149 kDa.

Specific Activity: ≥ 1000 pmol/min/ μg .
 Assay Conditions: 25 mM Tris/HCl, pH 8.0, 137 mM NaCl, 2.7 mM KCl, 1 mM MgCl_2 , and 0.1 mg/ml BSA, 20 μM BPS HDAC substrate 1 (Catalog #50040), and HDAC5 (0.3125 – 20 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.

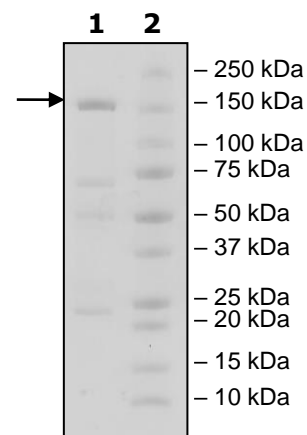
Quality Assurance



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

Lane 1:
 2 μg HDAC5
Lane 2:
 Protein Marker

MW: 149 kDa
Purity: $\geq 55\%$



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