**HDAC8, His-Tag Recombinant**

**Product Information**

**Description:** Human histone deacetylase 8 (HDAC8), full length encompassing amino acids 1-377(end). This construct contains a C-terminal His-tag. The recombinant protein was affinity purified.

**Species:** Human

**Construct:** HDAC8 (1-377(end)-His)

**Concentration:** 3.70 mg/ml

**Expression System:** Sf9

**Purity:** ≥90%

**Format:** Aqueous buffer solution.

**Formulated In:** 40 mM Tris-HCl, pH 8.0, 110 mM NaCl, 2.2 mM KCl, 200 mM Imidazole, and 20% glycerol

**MW:** 43 kDa

**Genbank Accession:** NM_018486

**Stability:** At least 6 months at -80°C.

**Storage:** -80°C

**Instructions for Use:** Thaw on ice and gently mix prior to use. DO NOT VORTEX. Perform a quick spin before opening. Aliquot into small volumes and flash freeze for long term storage. Avoid multiple freeze/thaw cycles.

**Specific Activity:** 300 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 Fluorogenic HDAC class 2a substrate (BPS Bioscience #50040), and HDAC8 (3.1 – 200 ng). Incubation condition: 30 min at 37°C followed by developing for 15 min at room temperature.

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

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**Quality Control Data**

<table>
<thead>
<tr>
<th>4-20% SDS-PAGE Coomassie Staining</th>
<th>HDAC8 Activity</th>
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<tbody>
<tr>
<td><img src="image1.png" alt="Image of SDS-PAGE" /></td>
<td><img src="image2.png" alt="Image of Fluorescence" /></td>
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Our products are for research use only, not for diagnostic or therapeutic use

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