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- Mindermengenzuschlag
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Data Sheet

Sirtuin2, His-tag

Human, recombinant, C-terminal His-tag

Catalog #: 50013

Lot #: 150501-G **Conc.:** 0.35 mg/ml

Formulated in: 40 mM Tris-HCl pH 8.0, 110 mM NaCl, 2.2 mM KCl, 0.04% Tween-20, and 20% glycerol.

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

References:

1. Grubisha, O. (2006) *J. Biol. Chem.* **281(20)**, 14057-14065.
2. Vaquero, A. (2006) *Genes Dev.* **20(10)**, 1256-1261.

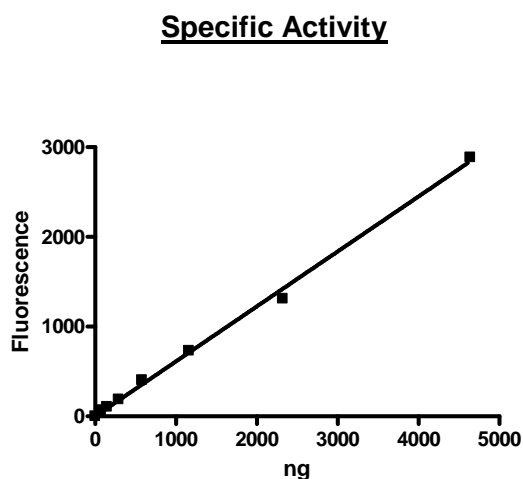
Description: Human Sirtuin 2, also known as Sirtuin2 and SIRT2, GenBank Accession No. NM_012237, a.a. 50-356 with C-terminal His-tag, expressed in *E. coli* expression system. MW= 35.5 kDa

Specific Activity: 1 pmol/min/ μg .

Assay condition: 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 # 50032), 500 μM NAD^+ , and various amounts of Sirtuin 2. 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.

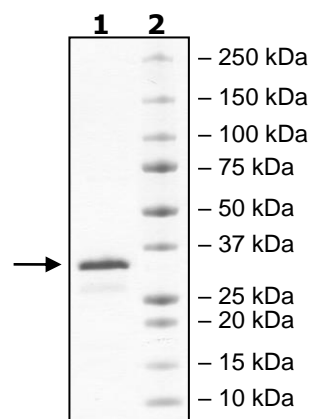
Quality Assurance



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

Lane 1:
2 μg Sirt2
Lane 2:
Protein Marker

MW: 35.5 kDa
Purity: $\geq 90\%$



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