

SIRT7 (2-400 aa) (His-tagged), Human recombinant

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| CATALOG #: | 7675-20 | 20 µg |
| | 7675-50 | 50 µg |
| ALTERNATE NAMES: | NAD-dependent deacetylase 7; SIR2-like protein 7; Sirtuin 7; SIR2L7; Silent Information Regulator 7. | |
| SOURCE: | E.Coli | |
| PURITY: | ≥85% by SDS - PAGE | |
| MOL. WEIGHT: | 49.3 kDa (2-400 aa, NT His Tag) | |
| FORMULATION: | 50 mM sodium phosphate, pH 7.2, 100 mM sodium chloride, 5 mM DTT, and 20% glycerol. | |
| STORAGE CONDITIONS: | Store at -80°C. Avoid repeated freeze and thaw cycles. Stable for ≥6 months. | |

DESCRIPTION:

The sirtuins represent a distinct class of trichostatin A-insensitive lysyl-deacetylases (class III HDACs) and have been shown to catalyze a reaction that couples lysine deacetylation to the formation of nicotinamide and O-acetyl-ADP-ribose from NAD⁺ and the abstracted acetyl group. There are seven human sirtuins, which have been designated SIRT1-SIRT7. Recently, SIRT7 has been shown to activate transcription by RNA polymerase I and deacetylate p53. SIRT7 prevents progressive functional deterioration of the heart, and is suggested to play an important role in regulation of stress responses and cell death in the heart.



Lane 1: MW Markers
Lane 2: SIRT7 (1 µg)
Lane 3: SIRT7 (2 µg)
Lane 4: SIRT7 (5 µg)

Human Recombinant SIRT7

RELATED PRODUCTS:

- Sirtuin 2, human recombinant (**Cat. No. 7632-20, -100, -1000**)
- SIRT4 (GST-tagged), Human recombinant (**Cat. No. 7673-20, -100**)
- SIRT5 (GST-tagged), Human recombinant (**Cat. No. 7674-20, -100**)
- Sirtuin 1 (human intracellular) ELISA Kit (**Cat. No. K4923-100**)
- Sirtuin 2 (human intracellular) ELISA Kit (**Cat. No. K4924-100**)
- SIRT 1 Inhibitor, EX-527 (**Cat. No. 1652-10**)
- SIRT 1 Inhibitor Screening Assay Kit (**Cat. No. K322-100**)
- SIRT 2 Inhibitor, AGK2 (**Cat. No. 1651-10**)
- SIRT 2 Inhibitor, AK-7 (**Cat. No. 1857-5, -25**)
- SIRT3 Antibody (**Cat. No. 3223-100**)
- SIRT4 Antibody (**Cat. No. 3224-100**)
- SIRT5 Antibody (**Cat. No. 3225-100**)
- Sirtinol (**Cat. No. 2062-1, -5**)

FOR RESEARCH USE ONLY! Not to be used in humans.