

SIRT7 (2-400 aa) (His-tagged), Human recombinant protein
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Catalog # PBV11251r**Specification**

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

Primary Accession [O9NRC8](#)
Calculated MW **49.3 kDa (2-400 aa, NT His Tag) KDa**

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

Gene ID **51547**
Gene Symbol **SIRT7**
Other Names
NAD-dependent deacetylase 7; SIR2-like protein 7; Sirtuin 7; SIR2L7; Silent Information Regulator 7

Gene Source **Human**
Source **E. coli**
Assay&Purity **SDS-PAGE; ≥85%**
Assay2&Purity2 **HPLC;**
Recombinant **Yes**
Target/Specificity
SIRT7

Format
Liquid

Storage
-80°C; 50 mM sodium phosphate, pH 7.2, 100 mM sodium chloride, 5 mM DTT, and 20% glycerol.

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

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

SIRT7 (2-400 aa) (His-tagged), Human recombinant protein - Images**SIRT7 (2-400 aa) (His-tagged), Human recombinant protein - Background**

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.

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

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Ota T., et al. Nat. Genet. 36:40-45(2004).
Zody M.C., et al. Nature 440:1045-1049(2006).
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