

Sirtuin 6, human recombinant

CATALOG #:	7578-10	10 µg
ALTERNATE NAMES:	SIRT6, NAD-dependent Deacetylase Sirtuin-6; Mono-ADP-ribosyltransferase Sirtuin 6; SIR2-like Protein 6; SIR2L6	
SOURCE:	E Coli	
PURITY:	≥ 90% by SDS-PAGE gel	
MOL. WEIGHT:	~45.0 kDa. Human sirtuin 6 (aa 1-355) is fused at the N-terminus to a His-tag.	
ENDOTOXIN LEVEL:	Not tested	
FORM:	Liquid	
FORMULATION:	0.2 µm-filtered solution in 55 mM Tris-Cl, pH 8.2, containing 150 mM NaCl.	
STORAGE CONDITIONS:	Prepare aliquots and store at -20°C. Avoid repeated freeze/thaw cycles.	
DESCRIPTION:	Sirtuin 6 (SIRT6) is a NAD-dependent protein deacetylase with activity towards 'Lys-9' and 'Lys-56' of histone H3. It modulates acetylation of histone H3 in telomeric chromatin during the S-phase of the cell cycle. It is required for genomic stability and for normal IGF1 serum levels and normal glucose homeostasis. It also regulates cellular senescence and apoptosis. Unlike most sirtuins, SIRT6 preferentially removes long-chain fatty-acyl, rather than acetyl, protein modifications. This activity regulates secretion of the inflammation-associated protein TNF-α.	

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.