

Product information

SIRT6, 1-355 aa

Human, His-tagged, Recombinant, *E.coli*

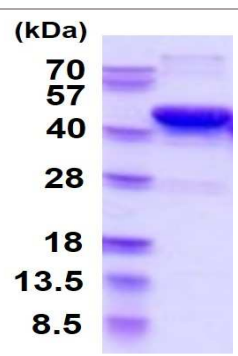
Cat. No. IBSIR0901

Full name: Sirtuin 6

NCBI Accession No.: NP_057623

Synonyms: SIR2L6, Mono-ADP-ribosyltransferase sirtuin-6, SIR2-like protein 6

Description: The SIRT6 is included in class IV of the sirtuin family, homologs to the yeast Sir2 protein. The functions of human sirtuins have not yet been determined; however, in yeast sirtuins are known to regulate epigenetic gene silencing. Also SIRT6, a chromatin-associated protein, appears to be involved in DNA repair. Recombinant SIRT6, fused to His-tag at N-terminus, was expressed in *E.coli* and purified by conventional chromatography techniques.

<p>Form: Liquid. In 20mM Tris-HCl buffer (pH 7.5) containing 20% glycerol, 1mM DTT, 0.1M NaCl, 0.1mM PMSF</p> <p>Molecular Weight: 41 kDa (375 aa), confirmed by MALDI-TOF</p> <p>Purity: > 95% by SDS - PAGE</p> <p>Concentration: 1 mg/ml (determined by Bradford assay)</p>	 <p>15% SDS-PAGE (3ug)</p>
<p>Sequences of amino acids:</p> <p><u>MGSSHHHHHH</u> <u>SSGLVPRGSH</u> MSVNYAAGLS PYADK GKCGL PEIFDPPEEL ERK VWELARL VWQSSSVVFH TGAGISTASG IPDFRGPHGV WTMEERGLAP KFDTTFESAR PTQTHMALVQ LERVGLLRFL VSQNV DGLHV RSGFPRDKLA ELHG NMFVEE CAKCKTQYVR DTVVGTMLK ATGRLCTVAK ARGLRACRGE LRDTILDWED SLPDRDLALA DEASRNADLS ITLGTSLQIR PSGNLPLATK RRGRLVIVN LQPTKHDRHA DLRIHGYVDE VMTRLMKHLG LEIPAWDGPR VLERALPLP RPPTPKLEPK EESPTRINGS IPAGPKQEP C AQHNGSEPAS PKRERPTSPA PHRPPKRVKA KAVPS</p>	

General references:

Michishita E., *et al.* (2008) *Nature*. 452(7186):492-6.

Mostoslavsky R., *et al.* (2006) *Cell*. 124(2):315-29.

Storage: Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.

For research use only. This product is not intended or approved for human, diagnostics or veterinary use.