

## 32-4853: Recombinant Human Sirtuin-6

**Alternative Name :** Mono-ADP-ribosyltransferase sirtuin-6, SIR2-like protein 6, SIRT6, SIR2L6, Sirtuin-6.

### Description

Source : Escherichia Coli. SIRT6 Human Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 375 amino acids (1-355 a.a.) and having a molecular mass of 41 kDa. Recombinant SIRT6 is fused to 20 amino acids His-tag at N-terminus and purified by conventional chromatography techniques. SIRT6 is part of the sirtuin family of proteins (Class IV), homologs to the yeast Sir2 protein. SIRT6 is characterized by a sirtuin core domain. Yeast sirtuin proteins are recognized by their ability to regulate epigenetic gene silencing and suppress recombination of rDNA. SIRT6, a chromatin-associated protein is involved in DNA repair. Human Sirtuins function as intracellular regulatory proteins with mono-ADP-ribosyltransferase activity.

### Product Info

<b>Amount :</b>	10 µg
<b>Purification :</b>	Greater than 95.0% as determined by (a) Analysis by RP-HPLC. (b) Analysis by SDS-PAGE.
<b>Content :</b>	The SIRT6 protein solution contains 20mM Tris-HCl pH-8 & 10% glycerol.
<b>Storage condition :</b>	SIRT6 although stable 4°C for 4 weeks, should be stored desiccated below -18°C. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Please prevent freeze-thaw cycles.
<b>Amino Acid :</b>	MGSSHHHHHH SSGLVPRGSH MSVNAAAGLS PYADKGKCGL PEIFDPPEEL ERKVWELARL VWQSSSVVFH TGAGISTASG IPDFRGPHGV WTMEERGLAP KFDTTFESAR PTQTHMALVQ LERVGLLRFL VSQNV DGLHV RSGFPRDKLA ELHG NMFVEE CAKCKTQYVR DTVVGT MGLK ATGRLCTVAK ARGLRACRGE LRD TILDWED SLPDRDLALA DEASRNADLS ITLGTSLQIR PSGNLPLATK RRGGR LVIVN LQPTKHDRHA DLRIHGYVDE VMTRLMEHLG LEIPAWDGPR VLERALPPLP RPPTPKLEPK EESPTRINGS IPAGPKQEPC AQHNGSEPAS PKRERPTSPA PHRPPKRVKA KAVPS.

