
Product Data Sheet

Product Name: SIRT6 Human

Cat. No.: GP24596

Batch No.: 1

Product Data

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	Mono-ADP-ribosyltransferase sirtuin-6; SIR2-like protein 6; SIRT6; SIR2L6; Sirtuin-6.		
Amino Acid Sequence	MGSSHHHHHH SSGLVPRGSH MSVNYAAGLS PYADKGGKCGL PEIFDPPEEL ERKVVWELARL VWQSSSVVFH TGAGISTASG IPDFRGPHGV WTMEERGLAP KFDTTFESAR PTQTHMALVQ LERVGLLRFL VSQNV DGLHV RSGFPRDKLA ELHG NMFVEE CAKCKTQYVR DTVVGT MGLK ATGRLCTVAK ARGLRACRGE LRDTILDWED SLPDRDLALA DEASRNADLS ITLGTSLQIR PSGNLPLATK RRGGR LVIVN LQPTKHDRHA DLRIHGYVDE VMTRLMEHLG LEIPAWDGPR VLERALPPLP RPPTPKLEPK EESPTRINGS IPAGPKQEPC AQHNGSEPAS PKRERPTSPA PHRPPKRVKA KAVPS.		
Formulation	The SIRT6 protein solution (1mg/ml) contains 20mM Tris-HCl pH-8 & 10% glycerol.		

Introduction

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.

Stability

Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

Caution: Product has not been fully validated for medical applications. For research use only.

Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com

Address: 10292 Central Ave. #205, Montclair, CA, USA

Product Data Sheet

Background

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.

Caution: Product has not been fully validated for medical applications. For research use only.

Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com

Address: 10292 Central Ave. #205, Montclair, CA, USA