

Recombinant Human SIRT6 Protein (Met1-Ser355), His tagged

Cat. No. SIRT6-2881H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant human SIRT6 (Met1-Ser355) protein fused with His tag was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	Met1-Ser355
Description	Sirtuin 6 (SIRT6) is a nicotinamide adenine dinucleotide (+) (NAD (+) dependent enzyme and stress response protein. SIRT6 has several different functions in multiple different molecular pathways related to DNA repair, glycolysis, gluconeogenesis, tumorigenesis, neurodegeneration, cardiac hypertrophic responses, and more. SIRT6 is a main regulator of metabolism and lifespan and its importance has been implicated in the prevention against aging-related diseases. SIRT6 depletion enhanced chemosensitivity of human hepatoma cells by downregulating MDR1 expression through suppressing C/EBPbeta. SIRT6 may serve as a novel target to enhance chemosensitivity in HCC cells.
Molecular Mass	39.96 kDa
Purity	>90 % as determined by SDS-PAGE.
Notes	For research use only.

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Storage	Use a manual defrost freezer and avoid repeated freeze thaw cycles. Store at 2 to 8 centigrade for one week. Store at -20 to -80 centigrade for twelve months from the date of receipt.
Storage Buffer	Supplied as solution form in PBS pH 7.5 or lyophilized from PBS pH 7.5.
Reconstitution	Reconstitute in sterile water for a stock solution.
Shipping	In general, proteins are provided as lyophilized powder/frozen liquid. They are shipped out with dry ice/blue ice unless customers require otherwise.

GENE INFORMATION

Gene Name	SIRT6 sirtuin 6 [Homo sapiens (human)]
Official Symbol	SIRT6
Synonyms	SIRT6; sirtuin 6; sirtuin (silent mating type information regulation 2 homolog) 6 (S. cerevisiae), sirtuin (silent mating type information regulation 2, S. cerevisiae, homolog) 6; NAD-dependent deacetylase sirtuin-6; sirtuin type 6; SIR2-like protein 6; sir2-related protein type 6; SIR2L6;
Gene ID	51548
mRNA Refseq	NM_001193285
Protein Refseq	NP_001180214
MIM	606211
UniProt ID	Q8N6T7

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