

Recombinant Human SIRT5 Protein, GST-tagged

Cat. No. SIRT5-110H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant N-terminal GST-tagged human SIRT5 protein was purified from E. coli.
Species	Human
Source	E.coli
Description	This gene encodes a member of the sirtuin family of proteins, homologs to the yeast Sir2 protein. Members of the sirtuin family are characterized by a sirtuin core domain and grouped into four classes. The functions of human sirtuins have not yet been determined; however, yeast sirtuin proteins are known to regulate epigenetic gene silencing and suppress recombination of rDNA. Studies suggest that the human sirtuins may function as intracellular regulatory proteins with mono-ADP-ribosyltransferase activity. The protein encoded by this gene is included in class III of the sirtuin family. Alternative splicing of this gene results in multiple transcript variants.
Molecular Mass	60.6 kDa
Purity	≥90% as determined by SDS-PAGE
Applications	WB, ELISA
Stability	≥ 2 year
Storage	At -80 centigrade.

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Storage Buffer 50 mM NaPO₄, pH 7.2, 100 mM sodium chloride, 5mM DTT, 20% glycerol

GENE INFORMATION

Gene Name SIRT5 sirtuin 5 [Homo sapiens (human)]

Official Symbol SIRT5

Synonyms

SIRT5; sirtuin 5; SIR2L5; NAD-dependent protein deacylase sirtuin-5, mitochondrial; NAD-dependent deacetylase sirtuin-5; NAD-dependent lysine demalonylase and desuccinylase sirtuin-5, mitochondrial; silent mating type information regulation 2, S.cerevisiae, homolog 5; sir2-like 5; sirtuin type 5

Gene ID 23408

mRNA Refseq NM_031244

Protein Refseq NP_112534

MIM 604483

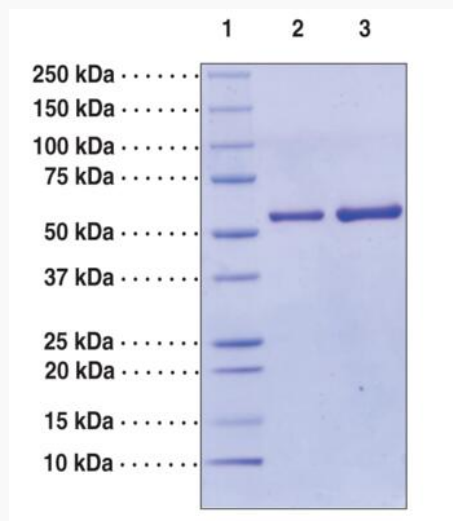
UniProt ID Q9NXA8

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**SDS-PAGE analysis
of SIRT5**



Lane 1: MW Markers

Lane 2: SIRT5 (4 μ g)

Lane 3: SIRT5 (2 μ g)