

Recombinant Human SIRT5 Protein, GST-tagged

Cat. No. SIRT5-25H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant human SIRT5(33-310) protein with a N-terminal GST-tag was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	33-310
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% estimated by SDS-PAGE
Applications	ELISA, WB
Stability	≥ 9 months

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

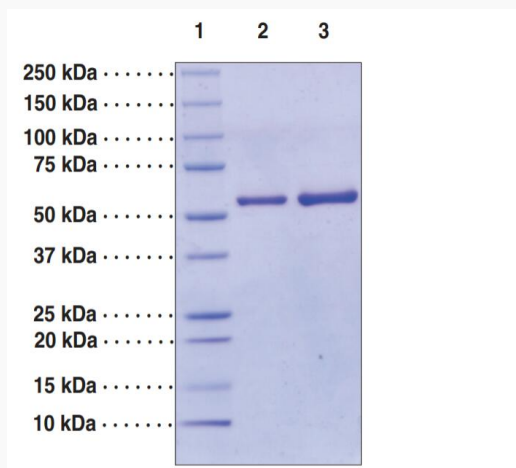
Storage	Store it at -80 centigrade
Storage Buffer	50 mM NaPO ₄ , pH 7.2, 100 mM NaCl, 5mM DTT, 20% glycerol
GENE INFORMATION	
Gene Name	SIRT5 sirtuin 5 [Homo sapiens (human)]
Official Symbol	SIRT5
Synonyms	SIRT5; sirtuin 5; SIR2L5; NAD-dependent protein deacylase sirtuin-5, mitochondrial; NAD-dependent 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_001193267
Protein Refseq	NP_001180196
MIM	604483
UniProt ID	Q9NXA8

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SDS-PAGE Analysis of SIRT5



Lane 1: MW Markers; Lane 2: SIRT5 (4 µg); Lane 3: SIRT5 (2 µg). Representative gel image shown; actual purity may vary between each batch but protein will be ≥90% pure.

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