

Datasheet for ABIN6700529 **SIRT2 Protein (GST tag)**



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Overview

Quantity:	20 µg
Target:	SIRT2
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Purification tag / Conjugate:	This SIRT2 protein is labelled with GST tag.
Application:	Western Blotting (WB)

Product Details

Purpose:	SIRT2 recombinant protein-GST fusion protein
Purification:	Full-length recombinant human SIRT2 was expressed in E. coli cells using an N-Terminal Glutathione-S-Transferase fusion protein. The purity was determined to be >85% by densitometry.
Purity:	>85%

Target Details

Target:	SIRT2
Alternative Name:	SIRT2 (SIRT2 Products)
Background:	<p>Synonyms: Regulatory protein SIR2 homolog 2, SIR2-like protein 2, SIRT2, SIR2L, SIR2L2, Sirtuin 2</p> <p>Background: SIRT2 is a member of the sirtuin family of proteins which are homologs to the</p>

Target Details

yeast Sir2 protein. Sirtuin family contain a sirtuin core domain and are grouped into four classes with SIRT2 being a member of class I. Inhibition of SIRT2 can lead to neuroprotection in cellular and invertebrate models of Huntington's disease (1). Huntington's disease is characterized by increased sterols synthesis in neuronal cells and this process is reversed by SIRT2 inhibition. SIRT2 can deacetylate lys40 of alpha-tubulin both in vitro and in vivo (2). Knockdown of SIRT2 via small interfering RNA results in tubulin hyperacetylation. SIRT2 Protein is ideal for investigators involved in Signaling Proteins, Deacetylase/Demethylase Proteins, Cancer, Cell Cycle, and Inflammation research.

NCBI Accession: [NM_030593](#)

Application Details

Application Notes:	Western_Blot_Dilution: User Optimized Application_Note: SIRT2 Protein is suitable for use in Western Blot. Expect a band approximately ~64 kDa on specific lysates or tissues. Specific conditions for reactivity should be optimized by the end user.
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	0.2 µg/µL
Buffer:	SIRT2 Protein is stored in 50 mM Tris-HCl, pH 7.5, 150 mM NaCl, 10 mM glutathione, 0.1 mM EDTA, 0.25 mM DTT, 0.1 mM PMSF, 25 % glycerol.
Storage:	-80 °C
Storage Comment:	Store product at -70°C. For optimal storage, aliquot target into smaller quantities after centrifugation and store at recommended temperature. For most favorable performance, avoid repeated handling and multiple freeze/thaw cycles.
Expiry Date:	12 months