

Datasheet for ABIN6700537 **SIRT6 Protein (GST tag)**



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Overview

Quantity:	20 µg
Target:	SIRT6
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Purification tag / Conjugate:	This SIRT6 protein is labelled with GST tag.
Application:	Western Blotting (WB)

Product Details

Purpose:	SIRT6 recombinant protein-GST fusion protein
Purification:	Full-length recombinant human SIRT6 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:	SIRT6
Alternative Name:	SIRT6 (SIRT6 Products)
Background:	Synonyms: SIR2L6, Sirtuin 6, NAD-dependent protein deacetylase sirtuin-6, Regulatory protein SIR2 homolog 6, SIR2-like protein 6, SIRT6, SIR2L6 Background: SIRT6 is a member of the sirtuin family of proteins which are homologs to the

Target Details

yeast Sir2 protein. Sirtuin family contain a sirtuin core domain and are grouped into four classes with SIRT6 being a member of class IV. Human SIRT6 protein is a NAD(+)-dependent histone H3 lysine-9 deacetylase that modulates telomeric chromatin (1). SIRT6 associates specifically with telomeres and SIRT6 depletion leads to telomere dysfunction with end-to-end chromosomal fusions and premature cellular senescence. SIRT6 ^{-/-} mouse cells show that SIRT6 promotes resistance to DNA damage and suppresses genomic instability in association with a role in base excision repair (2). SIRT6 Protein is ideal for investigators involved in Signaling Proteins, Cancer, Cell Cycle, and Inflammation research.

NCBI Accession: [NM_016539](#)

Application Details

Application Notes: Western_Blot_Dilution: User Optimized
Application_Note: SIRT6 Protein is suitable for use in Western Blot. Expect a band approximately ~66 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: SIRT6 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