

Datasheet for ABIN6700509  
**SETD8 Protein (GST tag)**



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## Overview

Quantity:	20 µg
Target:	SETD8
Origin:	Human
Source:	Insect cells (Sf9)
Protein Type:	Recombinant
Purification tag / Conjugate:	This SETD8 protein is labelled with GST tag.
Application:	Western Blotting (WB)

## Product Details

Purpose:	SETD8 recombinant protein-GST fusion protein
Purification:	Recombinant full-length human SETD8 was expressed by baculovirus in Sf9 insect cells using an N-Terminal Glutathione-S-Transferase fusion protein. The purity was determined to be >85% by densitometry.
Purity:	>85%

## Target Details

Target:	SETD8
Alternative Name:	SETD8 ( <a href="#">SETD8 Products</a> )
Background:	Synonyms: PR-Set7, SET07, SET8, N-lysine methyltransferase SETD8, H4-K20-HMTase SETD8, Histone-lysine N-methyltransferase SETD8, Lysine N-methyltransferase 5A, PR/SET domain-containing protein 07, PR-Set7, PR/SET07, SET domain-containing protein 8

## Target Details

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Background: SETD8 or SET domain containing lysine methyltransferase 8 is a lysine methyltransferase that monomethylates p53 in human cell lines. The monomethylation by SETD8 suppresses p53-mediated transcriptional activation of highly responsive target genes, such as p21 (CDKN1A) and PUMA (BBC3) but it has little influence on weak p53 targets (1). Depletion of SET8 augmented the proapoptotic and checkpoint activation functions of p53, and SETD8 expression is downregulated during DNA damage. SETD8 is a Wnt signaling mediator and is recruited by LEF1/TCF4 to regulate the transcription of Wnt-activated genes, possibly through H4K20 monomethylation at the target gene promoters (2). SETD8 Protein is ideal for investigators involved in Signaling Proteins, Acetyl/Methyltransferase Proteins, Apoptosis/Autophagy, Cancer, Cell Cycle, and Neurobiology research.

## Application Details

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Application Notes: Western\_Blot\_Dilution: User Optimized  
Application\_Note: SETD8 Protein is suitable for use in Western Blot. Expect a band approximately ~68 kDa on specific lysates or tissues. Specific conditions for reactivity should be optimized by the end user.

Restrictions: For Research Use only

## Handling

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Format: Liquid  
Concentration: 0.1 µg/µL  
Buffer: SETD8 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