

Datasheet for ABIN6700237 **KDM4A Protein (GST tag)**



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Overview

Quantity:	20 µg
Target:	KDM4A
Origin:	Human
Source:	Insect cells (Sf9)
Protein Type:	Recombinant
Purification tag / Conjugate:	This KDM4A protein is labelled with GST tag.
Application:	Western Blotting (WB)

Product Details

Purpose:	KDM4A recombinant protein-GST fusion protein
Purification:	Recombinant human KDM4A (1-886) was expressed by baculovirus in Sf9 insect cells using an N-Terminal Glutathione-S-Transferase fusion protein. The purity was determined to be >90% by densitometry.
Purity:	>90%

Target Details

Target:	KDM4A
Alternative Name:	KDM4A (KDM4A Products)
Background:	Synonyms: JMJD2A, JHDM3A, KIAA0677, Lysine-specific demethylase 4A, EC 1.14.11.-, JmjC domain-containing histone demethylation protein 3A, Jumonji domain-containing protein 2A Background: KDM4A or lysine (K)-specific demethylase 4A is a member of the Jumonji domain

Target Details

2 (JMJD2) family that encodes a protein containing a JmjN domain, a JmjC domain, a JD2H domain, two TUDOR domains, and two PHD-type zinc fingers. KDM4A functions in euchromatin to remove histone methylation marks that are associated with active transcription (1). KDM4A also act as a trimethylation-specific demethylase those converting specific trimethylated histone residues to the dimethylated form, and as a transcriptional repressor (2). KDM4A Protein is ideal for investigators involved in Cancer, Cell Cycle, and Inflammation research.

Pathways: [Warburg Effect](#)

Application Details

Application Notes: Western_Blot_Dilution: User Optimized
Application_Note: KDM4A Protein is suitable for use in Western Blot. Expect a band approximately ~150 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: 0.1 µg/µL

Buffer: KDM4A is stored in 50 mM Tris-HCl, pH 7.5, 50 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