

Datasheet for ABIN6700243
KDM5B Protein (GST tag)



[Go to Product page](#)

Overview

Quantity:	20 µg
Target:	KDM5B
Origin:	Mouse
Source:	Insect cells (Sf9)
Protein Type:	Recombinant
Purification tag / Conjugate:	This KDM5B protein is labelled with GST tag.
Application:	Western Blotting (WB)

Product Details

Purpose:	KDM5B recombinant protein-GST fusion protein
Purification:	Recombinant mouse KDM5B (1-753) 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:	KDM5B
Alternative Name:	Kdm5b (KDM5B Products)
Background:	Synonyms: Jarid1b,PUT1,Plu1,PLU-1,Rb-Bp2, AW556288, RBBP2H1A, mKIAA4034, Lysine-specific demethylase 5B, EC 1.14.11.-, Histone demethylase JARID1B, Jumonji/ARID domain-containing protein 1B, PLU-1

Target Details

Background: KDM5B is a lysine (K)-specific demethylase 5B which is highly expressed in testis and shows the lowest expression in skeletal muscle (1). KDM5B is a histone H3 lysine 4 (H3K4) demethylase up-regulated in prostate cancer and associated with androgen receptor where it regulated its transcriptional activity in reporter gene assays (2). Overexpression of KDM5B in HeLa cells results in loss of tri-, di-, and monomethyl H3K4, but does not alter the methylation status of H3K9 or H3K36. A KDM5B containing highly conserved putative DNA/chromatin binding motif is specifically up-regulated in breast cancer. KDM5B Protein is ideal for investigators involved in Signaling Proteins, Deacetylase/Demethylase Proteins, Cancer, Cell Cycle, and Inflammation research.

Pathways: [Warburg Effect](#)

Application Details

Application Notes: Western_Blot_Dilution: User Optimized
Application_Note: KDM5B Protein is suitable for use in Western Blot. Expect a band approximately ~112 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: KDM5B Protein 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