

Datasheet for 010-001-S36S**KDM5B protein-GST fusion****Overview**

Description:	KDM5B recombinant protein-GST fusion protein - 010-001-S36S
Item No.:	010-001-S36S
Size:	20 µg
Origin:	Mouse
Expressed in:	Sf9 cells

Product 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.
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
Species of Origin:	Mouse
Expressed in:	Sf9 cells
Type:	Recombinant Protein

Target Details

Gene Name:	Kdm5b
Purity/Specificity:	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.
Relevant Links:	NCBI - BC057318

Application Details

Application Note:	KDM5B Protein is stored in 50mM Tris-HCl, pH 7.5, 50mM NaCl, 10mM glutathione, 0.1mM EDTA, 0.25mM DTT, 0.1mM PMSF, 25% glycerol. KDM5B Protein is suitable for use in Western Blot. Expect a band approximately ~112kDa on specific lysates or tissues. Specific conditions for reactivity should be optimized by the end user.
Assay Dilutions:	All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.
WB:	User Optimized

Formulation

Physical State:	Liquid (sterile filtered)
Concentration:	0.1 µg/µL
Buffer:	See application note.

Shipping & Handling

Shipping Condition:	Dry Ice
Storage Condition:	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.
Expiration:	Expiration date is one (1) year from date of receipt.

Disclaimer

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