

Datasheet for 009-001-S33S**KDM4A protein-GST fusion****Overview**

Description:	KDM4A recombinant protein-GST fusion protein - 009-001-S33S
Item No.:	009-001-S33S
Size:	20 µg
Origin:	Human
Expressed in:	Sf9 cells

Product Details

Background:	KDM4A or lysine (K)-specific demethylase 4A is a member of the Jumonji domain 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.
Synonyms:	JMJD2A, JHDM3A, KIAA0677, Lysine-specific demethylase 4A, EC 1.14.11.-, JmjC domain-containing histone demethylation protein 3A, Jumonji domain-containing protein 2A
Species of Origin:	Human
Expressed in:	Sf9 cells
Type:	Recombinant Protein

Target Details

Gene Name:	KDM4A
Purity/Specificity:	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.
Relevant Links:	NCBI - BC002558

Application Details

Application Note:	KDM4A is stored in 50mM Tris-HCl, pH 7.5, 50mM NaCl, 10mM glutathione, 0.1mM EDTA, 0.25mM DTT, 0.1mM PMSF, 25% glycerol. KDM4A Protein is suitable for use in Western Blot. Expect a band approximately ~150kDa 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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