

Datasheet for 009-001-S35S**KDM4C protein-GST fusion****Overview**

Description:	KDM4C recombinant protein-GST fusion protein - 009-001-S35S
Item No.:	009-001-S35S
Size:	20 µg
Origin:	Human
Expressed in:	Sf9 cells

Product Details

Background:	KDM4C or lysine-specific demethylase 4C functions as a trimethylation-specific demethylase, converting specific trimethylated histone residues to the dimethylated form (1). KDM4C is a member of the Jumonji domain 2 (JMJD2) family and contains one JmjC domain, one JmjN domain, two PHD-type zinc fingers, and two Tudor domains. KDM4C may contribute to tumor development and inhibition of KDM4C expression leads to decreased cell proliferation. KDM4C has been shown to play an important role in the development and/or progression of various types of cancer, including esophageal squamous cell carcinoma(2). KDM4C Protein is ideal for investigators involved in Signaling Proteins, Deacetylase/Demethylase Proteins, Cancer, Cell Cycle, and Inflammation research.
Synonyms:	KDM4C, GASC1, JHDM3C, JMJD2C, Lysine-specific demethylase 4C, EC 1.14.11.-, Gene amplified in squamous cell carcinoma 1 protein, GASC-1 protein, JmjC domain-containing histone demethylation protein 3C, Jumonji domain-containing protein 2C
Species of Origin:	Human
Expressed in:	Sf9 cells
Type:	Recombinant Protein

Target Details

Gene Name:	KDM4C
Purity/Specificity:	Recombinant human KDM4C (1-460) was expressed by baculovirus in Sf9 insect cells using an N-Terminal Glutathione-S-Transferase fusion protein. The purity was determined to be >95% by densitometry.
Relevant Links:	<ul style="list-style-type: none">• NCBI - BC104861

Application Details

Application Note:	KDM4C 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. KDM4C Protein is suitable for use in Western Blot. Expect a band approximately ~82kDa 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

This product is for research use only and is not intended for therapeutic or diagnostic applications. Please contact a technical service representative for more information. All products of animal origin manufactured by Rockland Immunochemicals are derived from starting materials of North American origin. Collection was performed in United States Department of Agriculture (USDA) inspected facilities and all materials have been inspected and certified to be free of disease and suitable for exportation. All properties listed are typical characteristics and are not specifications. All suggestions and data are offered in good faith but without guarantee as conditions and methods of use of our products are beyond our control. All claims must be made within 30 days following the date of delivery. The prospective user must determine the suitability of our materials before adopting them on a commercial scale. Suggested uses of our products are not recommendations to use our products in violation of any patent or as a license under any patent of Rockland Immunochemicals, Inc. If you require a commercial license to use this material and do not have one, then return this material, unopened to: Rockland Inc., P.O. BOX 5199, Limerick, Pennsylvania, USA.



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www.rockland.com
tech@rockland.com
+1 484.791.3823