

Datasheet for ABIN6700241 **KDM4C Protein (GST tag)**



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Overview

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|-------------------------------|--|
| Quantity: | 20 µg |
| Target: | KDM4C |
| Origin: | Human |
| Source: | Insect cells (Sf9) |
| Protein Type: | Recombinant |
| Purification tag / Conjugate: | This KDM4C protein is labelled with GST tag. |
| Application: | Western Blotting (WB) |

Product Details

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| Purpose: | KDM4C recombinant protein-GST fusion protein |
| Purification: | 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. |
| Purity: | >95% |

Target Details

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|-------------------|--|
| Target: | KDM4C |
| Alternative Name: | KDM4C (KDM4C Products) |
| Background: | 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 |

Target 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.

Pathways: [Nuclear Hormone Receptor Binding](#), [Warburg Effect](#)

Application Details

Application Notes: Western_Blot_Dilution: User Optimized
Application_Note: KDM4C Protein is suitable for use in Western Blot. Expect a band approximately ~82 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: KDM4C 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