Recombinant Human KDM4C, GST-tagged

Cat. No. KDM4C-203H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human KDM4C (1-460) was expressed by baculovirus in Sf9 insect cells using an N-terminal GST tag.
Species	Human
Source	Sf9 Cells
ProteinLength	1-460 a.a.
Description	KDM4C or lysine-specific demethylase 4C functions as a trimethylation-specific demethylase, converting specific trimethylated histone residues to the dimethylated form. 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.
Form	Recombinant protein stored in 50mM Tris-HCl, pH 7.5, 50mM NaCl, 10mM glutathione, 0.1mM EDTA, 0.25mM DTT, 0.1mM PMSF, 25% glycerol.
Molecular Mass	~82 kDa
Purity	>95% by densitometry

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Applications	Western Blot
Storage	Store product at –70 centigrade. 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.
Concentration	0.1 μg/μl

GENE INFORMATION

Gene Name	KDM4C lysine (K)-specific demethylase 4C [Homo sapiens]
Official Symbol	KDM4C
Synonyms	KDM4C; lysine (K)-specific demethylase 4C; JMJD2C, jumonji domain containing 2C; lysine-specific demethylase 4C; GASC1; KIAA0780; GASC-1 protein; jumonji domain containing 2C; jumonji domain-containing protein 2C; gene amplified in squamous cell carcinoma 1 protein; JmjC domain-containing histone demethylation protein 3C; JHDM3C; JMJD2C; bA146B14.1; FLJ25949;
Gene ID	23081
mRNA Refseq	NM_001146694
Protein Refseq	NP_001140166
MIM	605469
UniProt ID	Q9H3R0
Chromosome	9p24-p23

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Location	
Pathway	Coregulation of Androgen receptor activity, organism-specific biosystem;
Function	androgen receptor binding; enzyme binding; histone demethylase activity (H3-K9 specific); histone demethylase activity (H3-K9 specific); metal ion binding; oxidoreductase activity; oxidoreductase activity, acting on single donors with incorporation of molecular oxygen, incorporation of two atoms of oxygen; zinc ion binding;

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