KDM4D 抗原（重组蛋白）

中文名称： KDM4D 抗原（重组蛋白）

英文名称： KDM4D Antigen (Recombinant Protein)

别　名： lysine (K)-specific demethylase 4D; JMJD2D

储　存： 冷冻（-20℃）

相关类别： 抗原

概述

Fusion protein corresponding to a region derived from 146-312 amino acids of human KDM4D

技术规格

Full name:	lysine (K)-specific demethylase 4D
Synonyms:	JMJD2D
Swissprot:	Q6B0I6
Gene Accession:	BC122858
Purity:	>85%, as determined by Coomassie blue stained SDS-PAGE
Expression system:	Escherichia coli
Tags:	His tag C-Terminus, GST tag N-Terminus
Background:	JMJD2D (Jumonji domain-containing protein 2D), also known as JHDM3D or KDM4D, is a 520 amino acid protein that belongs to the JHDM3 histone demethylase family. Localized to the nucleus, JMJD2D functions as a histone demethylase that removes specific methyl residues from Histone H3, thereby playing a crucial role in the histone code. JMJD2D binds iron as a cofactor and contains one JMJC domain and one JMJN domain, both of which are thought to exhibit enzymatic activity during chromatin remodeling events. In addition, JMJD2D forms a complex with the ligand-bound form of the androgen receptor (AR) and, through this interaction, activates AR expression. Overexpression of AR is associated with prostate cancer, s

	uggesting that, via its ability to upregulate AR, JMJD2D may be involved in carcinogenesis.