

## 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

<b>Full name:</b>	lysine (K)-specific demethylase 4D
<b>Synonyms:</b>	JMJD2D
<b>Swissprot:</b>	Q6B0I6
<b>Gene Accession:</b>	BC122858
<b>Purity:</b>	>85%, as determined by Coomassie blue stained SDS-PAGE
<b>Expression system:</b>	Escherichia coli
<b>Tags:</b>	His tag C-Terminus, GST tag N-Terminus
<b>Background:</b>	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 JMJD domain, both of which are thought to exhibit

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