

Product datasheet

Recombinant Human KDM5C / Jarid1C / SMCX protein  
ab125608

1 图像

概述

产品名称	重组人KDM5C / Jarid1C / SMCX蛋白
蛋白长度	Protein fragment

描述

性质	Recombinant
来源	Baculovirus infected Sf9 cells

氨基酸序列

Accession	<a href="#">P41229</a>
种属	Human
分子量	118 kDa including tags
氨基酸	1 to 671
标签	GST tag N-Terminus

技术指标

Our [Abpromise guarantee](#) covers the use of **ab125608** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

应用	Western blot SDS-PAGE
形式	Liquid

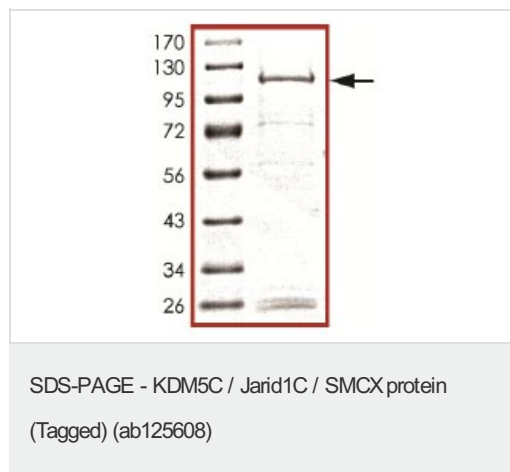
制备和贮存

稳定性和存储	Shipped on dry ice. Upon delivery aliquot and store at -80°C. Avoid freeze / thaw cycles. pH: 7.50 Constituents: 0.31% Glutathione, 0.002% PMSF, 0.004% DTT, 0.79% Tris HCl, 0.003% EDTA, 25% Glycerol, 0.88% Sodium chloride
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## 常规信息

<b>功能</b>	Histone demethylase that specifically demethylates 'Lys-4' of histone H3, thereby playing a central role in histone code. Does not demethylate histone H3 'Lys-9', H3 'Lys-27', H3 'Lys-36', H3 'Lys-79' or H4 'Lys-20'. Demethylates trimethylated and dimethylated but not monomethylated H3 'Lys-4'. Participates in transcriptional repression of neuronal genes by recruiting histone deacetylases and REST at neuron-restrictive silencer elements.
<b>组织特异性</b>	Expressed in all tissues examined. Highest levels found in brain and skeletal muscle.
<b>疾病相关</b>	Defects in KDM5C are the cause of mental retardation syndromic X-linked JARID1C-related (MRXSJ) [MIM:300534]. MRXSJ is characterized by significantly sub-average general intellectual functioning associated with impairments in adaptive behavior and manifested during the developmental period. MRXSJ patients manifest mental retardation associated with variable features such as slowly progressive spastic paraplegia, seizures, facial dysmorphism.
<b>序列相似性</b>	Belongs to the JARID1 histone demethylase family. Contains 1 ARID domain. Contains 1 JmjC domain. Contains 1 JmjN domain. Contains 2 PHD-type zinc fingers.
<b>结构域</b>	The first PHD-type zinc finger domain recognizes and binds H3-K9Me3. Both the JmjC domain and the JmjN domain are required for enzymatic activity.
<b>细胞定位</b>	Nucleus.

## 图片



SDS-PAGE analysis of ab125608.

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