

Recombinant Human Metnase protein ab125543

1 图像

描述

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| 产品名称 | 重组人Metnase蛋白 |
| 纯度 | > 85 % SDS-PAGE. Purity was determined to be >85% by densitometry. Affinity purified. |
| 表达系统 | Baculovirus infected Sf9 cells |
| Accession | <u>Q53H47</u> |
| 蛋白长度 | Full length protein |
| 无动物成分 | No |
| 性质 | Recombinant |
| 种属 | Human |
| 预测分子量 | 69 kDa including tags |
| 氨基酸 | 1 to 671 |

技术指标

Our **Abpromise guarantee** covers the use of **ab125543** in the following tested applications.

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

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| 应用 | SDS-PAGE |
| 形式 | Liquid |
| 补充说明 | Previously labelled as SETMAR. |

制备和贮存

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| 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 (glycerin, glycerine), 0.88% Sodium chloride |
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常规信息

| | |
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| 功能 | Histone methyltransferase that methylates 'Lys-4' and 'Lys-36' of histone H3, 2 specific tags for |
|----|---|

epigenetic transcriptional activation. Specifically mediates dimethylation of H3 'Lys-36'. Has sequence-specific DNA-binding activity and recognizes the 19-mer core of the 5'-terminal inverted repeats (TIRs) of the Hsmar1 element. Has DNA nicking activity. Has in vivo end joining activity and may mediate genomic integration of foreign DNA.

组织特异性

Widely expressed, with highest expression in placenta and ovary and lowest expression in skeletal muscle.

序列相似性

In the N-terminal section; belongs to the histone-lysine methyltransferase family.

In the C-terminal section; belongs to the mariner transposase family.

Contains 1 post-SET domain.

Contains 1 pre-SET domain.

Contains 1 SET domain.

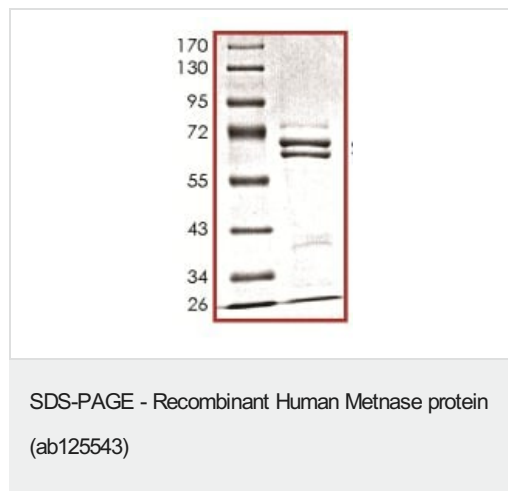
结构域

The mariner transposase Hsmar1 region mediates DNA-binding. It has no transposase activity because the active site contains an Asn in position 610 instead of a Asp residue.

细胞定位

Nucleus. Chromosome.

图片



SDS-PAGE analysis of ab125543.

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