

Product datasheet

Recombinant Human Metnase protein ab125543

1 Image

Description

| | |
|-----------------------------------|--|
| Product name | Recombinant Human Metnase protein |
| Purity | > 85 % SDS-PAGE. Purity was determined to be >85% by densitometry. Affinity purified. |
| Expression system | Baculovirus infected Sf9 cells |
| Accession | <u>Q53H47</u> |
| Protein length | Full length protein |
| Animal free | No |
| Nature | Recombinant |
| Species | Human |
| Predicted molecular weight | 69 kDa including tags |
| Amino acids | 1 to 671 |

Specifications

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.

| | |
|-------------------------|--------------------------------|
| Applications | SDS-PAGE |
| Form | Liquid |
| Additional notes | Previously labelled as SETMAR. |

Preparation and Storage

| | |
|------------------------------|---|
| Stability and Storage | 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 |
|------------------------------|---|

General Info

| | |
|-----------------|---|
| Function | 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.

Tissue specificity

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

Sequence similarities

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.

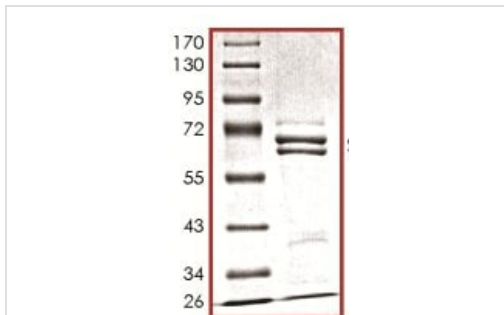
Domain

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.

Cellular localization

Nucleus. Chromosome.

Images



SDS-PAGE analysis of ab125543.

SDS-PAGE - Recombinant Human Metnase protein
(ab125543)

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

Our Abpromise to you: Quality guaranteed and expert technical support

- Replacement or refund for products not performing as stated on the datasheet
- Valid for 12 months from date of delivery
- Response to your inquiry within 24 hours
- We provide support in Chinese, English, French, German, Japanese and Spanish
- Extensive multi-media technical resources to help you
- We investigate all quality concerns to ensure our products perform to the highest standards

If the product does not perform as described on this datasheet, we will offer a refund or replacement. For full details of the Abpromise, please visit <https://www.abcam.com/abpromise> or contact our technical team.

Terms and conditions

- Guarantee only valid for products bought direct from Abcam or one of our authorized distributors