

Product datasheet

Recombinant Human KMT5C/SUV4-20h2 protein ab80290

[1 Image](#)

Description

| | |
|--------------------------|---|
| Product name | Recombinant Human KMT5C/SUV4-20h2 protein |
| Purity | > 90 % SDS-PAGE. |
| Expression system | Escherichia coli |
| Protein length | Protein fragment |
| Animal free | No |
| Nature | Recombinant |
| Species | Human |
| Amino acids | 2 to 280 |

Specifications

Our **Abpromise guarantee** covers the use of **ab80290** 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 |

Preparation and Storage

| | |
|------------------------------|--|
| Stability and Storage | Shipped on Dry Ice. Upon delivery aliquot. Store at -80°C. Avoid freeze / thaw cycle. pH: 8.00 Constituents: 0.0462% (R*,R*)-1,4-Dimercaptobutan-2,3-diol, 0.395% Tris HCl, 0.05% Tween, 30% Glycerol (glycerin, glycerine), 0.58% Sodium chloride |
|------------------------------|--|

General Info

| | |
|-----------------|---|
| Function | Histone methyltransferase that specifically trimethylates 'Lys-20' of histone H4. H4 'Lys-20' trimethylation represents a specific tag for epigenetic transcriptional repression. Mainly functions in pericentric heterochromatin regions, thereby playing a central role in the establishment of |
|-----------------|---|

constitutive heterochromatin in these regions. SUV420H1 is targeted to histone H3 via its interaction with RB1 family proteins (RB1, RBL1 and RBL2).

Sequence similarities

Belongs to the class V-like SAM-binding methyltransferase superfamily. Histone-lysine methyltransferase family. Suvar4-20 subfamily.
Contains 1 SET domain.

Cellular localization

Nucleus. Chromosome. Associated with pericentric heterochromatin. CBX1 and CBX5 are required for the localization to pericentric heterochromatin.

Images



10% SDS-PAGE showing ab80290 at approximately 58kDa (5µg).

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