

# Recombinant human PRMT1 protein ab89007

画像数 1

### 製品の詳細

製品名	Recombinant human PRMT1 protein		
生理活性	Specific Activity: 10,000unit/ml. Unit Definition : One unit will transfer 1pmol of methyl group to synthetic peptide of histone H4 for 10 minutes at 37C.		
精製度	> 90 % SDS-PAGE. ab89007 is purified using conventional chromatography techniques.		
発現系	Escherichia coli		
タンパク質長	Full length protein		
Animal free	No		
由来	Recombinant		
生物種	Human		
配列	MHHHHHMKI	EEGKLVIWIN	GDKGYNGLAE
	VGKKFEKDTG	IKVTVEHPDK	LEEKFPQVAA
	TGDGPDIIFW	AHDRFGGYAQ	SGLLAEITPD
	KAFQDKLYPF	TWDAVRYNGK	LIAYPIAVEA
	LSLIYNKDLL	PNPPKTWEEI	PALDKELKAK
	GKSALMFNLQ	EPYFTWPLIA	ADGGYAFKYE
	NGKYDIKDVG	VDNAGAKAGL	TFLVDLIKNK
	HMNADTDYSI	AEAAFNKGET	AMTINGPWAU
	SNIDTSKVNY	GVTVLPTFKG	QPSKPFVGVV
	SAGINAASPN	KELAKEFLEN	YLLTDEGLEA
	VNKDKPLGAV	ALKSYEEELA	KDPRIAATME
	NAQKGEIMPN	IPQMSAFWYA	VRTAVINAAS
	GRQTVDEALK	DAQTNSSSNN	NNNNNNNNNLG IEGRGS
タグ	His tag N-Terminus , MBP tag N-Terminus		

### 特性

Our **Abpromise guarantee** covers the use of **ab89007** in the following tested applications.

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

アプリケーション	SDS-PAGE
	Functional Studies
製品の状態	Liquid

## 前処理および保存

### 保存方法および安定性

Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C long term. Avoid freeze / thaw cycle.

pH: 8.00

Constituents: 0.038% Magnesium chloride, 0.0308% DTT, 0.484% Tris, 40% Glycerol (glycerin, glycerine), 0.58% Sodium chloride

This product is an active protein and may elicit a biological response in vivo, handle with caution.

## 関連情報

### 機能

Arginine methyltransferase that methylates (mono and asymmetric dimethylation) the guanidino nitrogens of arginyl residues present in proteins such as ESR1, histone H2, H3 and H4, PIAS1, HNRNPA1, HNRNPD, NFATC2IP, SUPT5H, TAF15 and EWS. Constitutes the main enzyme that mediates monomethylation and asymmetric dimethylation of histone H4 'Arg-4' (H4R3me1 and H4R3me2a, respectively), a specific tag for epigenetic transcriptional activation. Together with dimethylated PIAS1, represses STAT1 transcriptional activity, in the late phase of interferon gamma (IFN-gamma) signaling. May be involved in the regulation of TAF15 transcriptional activity, act as an activator of estrogen receptor (ER)-mediated transactivation, play a key role in neurite outgrowth and act as a negative regulator of megakaryocytic differentiation, by modulating p38 MAPK pathway.

### 組織特異性

Widely expressed.

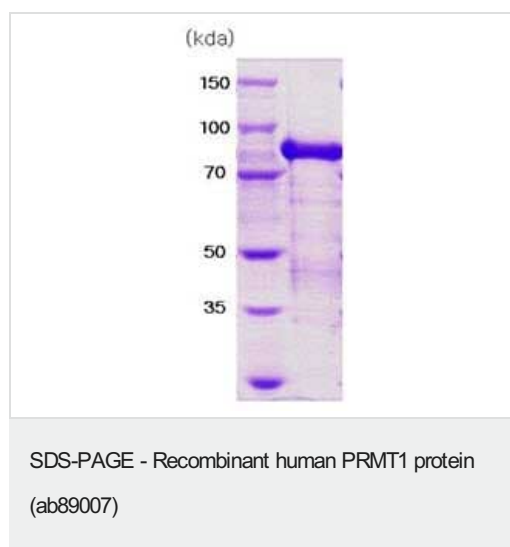
### 配列類似性

Belongs to the protein arginine N-methyltransferase family.

### 細胞内局在

Nucleus. Cytoplasm > cytosol.

## 画像



15% SDS-PAGE analysis of 3µg ab89007

**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**

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- 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.co.jp/abpromise> or contact our technical team.

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