

Recombinant mouse PRMT1 protein ab78937

画像数 1

製品の詳細

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| 製品名 | Recombinant mouse PRMT1 protein |
| 生理活性 | Specific Activity: >30nmol/min/mg. Unit Definition: The amount of enzyme that transfer 1nmole of methyl group per minute at 37°C. |
| 精製度 | > 90 % SDS-PAGE. Purified by 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 | Mouse |

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| 配列 | MHHHHHMKI EEGKLVWIN GDKGYNGLAE VGKKFEKDTG IKVTVEHPDK LEEKFPQVAA TGDGPDIIFW AHDRFGGYAQ SGLLAEITPD KAFQDKLYPF TWDAVRYNGK LIAYPIAVEA LSLIYNKDLL PNPPKTWEEI PALDKELKAK GKSALMFNLQ EPYFTWPLIA ADGGYAFKYE NGKYDIKDVG VDNAGAKAGL TFLVDLIKNK HMNADTDYSI AEAAFNKGET AMTINGPWA SNIDTSKVNY GVTVLPTFKG QPSKPFVGV SAGINAASPN KELAKEFLEN YLLTDEGLEA VNKDKPLGAV ALKSYEEELA KDPRIAATME NAQKGEIMPN IPQMSAFWYA VRTAVINAAS GRQTVDEALK DAQTNSSSNN NNNNNNNNLG IEGRGSHMAA AEAANCIMEV SCGQAESSEK PNAEDMTSKD YYFDSYAHFG IHEEMLKDEV RTLTYRNSMF HNRHLFKDKV VLDVGS GTGI LCMFAAKAGA RKGIGIECSS ISDYAVKIVK ANKLDHVVTI IKGKVEEVEL PVEKVDIIIS EWMGYCLFYE SMLNTVLHAR DKWLAPDGLI FPDRATLYVT AIEDRQYKDY KIHWWENVYG FDMSCIKDVA IKEPLVDVVD PKQLVTNA IKEVDIYTVK VEDLTFTSPF CLQVKRNDYV HALVAYFNIE FTRCHKRTGF STSPESPYTH WKQTVFYMED YLTVKTGEEI FGTIGMRPNA |
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|---------|---|
| 領域 | 1 to 353 |
| 配列の追加情報 | This protein has a His-MBP tag at the N-terminus. |

特性

Our **Abpromise guarantee** covers the use of **ab78937** 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

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. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.
 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

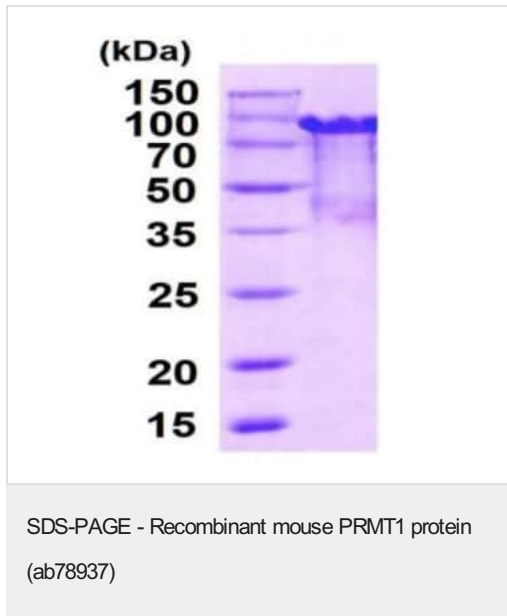
機能 Arginine methyltransferase that methylates (mono and asymmetric dimethylation) the guanidino nitrogens of arginyl residues present in proteins such as ESR1, histone H2, H3 and H4, PIAS1, HNRNPA1, HNRNPD, NFATC2IP, SUPT5H, TAF15 and EWS. Constitutes the main enzyme that mediates monomethylation and 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



ab78937 on 15% SDS-PAGE, 3 μ g.

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

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