abcam

Product datasheet

Recombinant Human PRMT2/HMT1 protein ab131909

1 Image

Description

Product name	Recombinant Human PRMT2/HMT1 protein
Expression system	Wheat germ
Accession	**P55345**
Protein length	Full length protein
Animal free	No
Nature	Recombinant
Species	Human
Sequence	MATSGDCPRSESQGEEPAECSEAGLLQEGVQPEEFVAI ADYAATDETQLS FLRGEKILILRQTTADWWWGERAGCCGYIPANHVGKHVDE YDPEDTWQDE EYFGSYGTLKLHLEMLADQPRTTKYHSVILQNKESLTDKVIL DVGCGTGI ISLFCAHYARPRAVYAVEASEMAQHTGQLVLQNGFADIITV YQQKVEDVV LPEKVDVLVSEWMGTCLLFEFMIESILYARDAWLKEDGVI WPTMAALHLV PCSADKDYRSKVLFWDNAYEFNLSALKSLAVKEFFSKPK YNHILKPEDCL SEPCTILQLDMRTVQISDLETLRGELRFDIRKAGTLHGFTA WFSVHFQSL QEGQPPQVLSTGPFHPTTHWKQTLFMMDDPVPVHTGDV VTGSVVLQRNPV WRRHMSVALSWAVTSRQDPTSQKVGEKVFPIWR
Predicted molecular weight	75 kDa including tags
Amino acids	1 to 433

Specifications

Our **Abpromise guarantee** covers the use of **ab131909** in the following tested applications.

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

Applications	Western blot
	ELISA

	SDS-PAGE
Form	Liquid
Additional notes	This product was previously labelled as PRMT2.

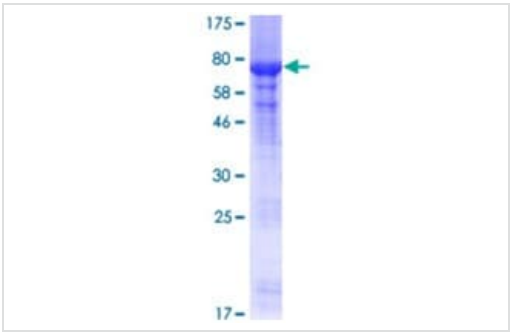
Preparation and Storage

Stability and Storage	Shipped on dry ice. Upon delivery aliquot and store at -80ºC. Avoid freeze / thaw cycles. pH: 8.00 Constituents: 0.31% Glutathione, 0.79% Tris HCl

General Info

Function	Arginine methyltransferase that methylates the guanidino nitrogens of arginyl residues in proteins such as STAT3, FBL, histone H4. Acts as a coactivator (with NCOA2) of the androgen receptor (AR)-mediated transactivation. Acts as a coactivator (with estrogen) of estrogen receptor (ER)-mediated transactivation. Enhances PGR, PPARG, RARA-mediated transactivation. May inhibit NF-kappa-B transcription and promote apoptosis. Represses E2F1 transcriptional activity (in a RB1-dependent manner). May be involved in growth regulation.
Tissue specificity	Widely expressed. Highly expressed in androgen target organs such as heart, prostate, skeletal muscle, ovary and spinal cord.
Sequence similarities	Belongs to the protein arginine N-methyltransferase family. Contains 1 SH3 domain.
Cellular localization	Cytoplasm. Nucleus. Translocates from the cytoplasm to the nucleus, after hormone exposure.

Images



SDS-PAGE - Recombinant Human PRMT2/HMT1 protein (ab131909)

12.5% SDS-PAGE analysis of ab131909 stained with Coomassie Blue.

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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

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