

Datasheet for ABIN7565182

PRMT2 Protein (AA 1-448) (His tag)



[Go to Product page](#)

Overview

Quantity:	1 mg
Target:	PRMT2
Protein Characteristics:	AA 1-448
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This PRMT2 protein is labelled with His tag.
Application:	Western Blotting (WB), SDS-PAGE (SDS)

Product Details

Purpose:	Custom-made recombinat Prmt2 Protein expressed in mammalian cells.
Sequence:	<p>MEAPGEGPCS ESQVIPVLEE DPVDYGCCEMQ LLQDGAQLQL QLQPEEFVAI ADYTATDETQ LSFLRGEKIL ILRQTTADWW WGERAGCCGY IPANHLGKQL EEYDPEDTWQ DEEYFDSYGT LKLHLEMLAD QPRTTKYHSV ILQNKESLKD KVILDVGCCT GIISLCAHH ARPKAVYAVE ASDMAQHTSQ LVLQNGFADT ITVFQQKVED VVLPEKVDVL VSEWMGTCLL FEFMIESILY ARDTWLKGDG IIWPTTAALH LVPCSAEKDY HSKVLFWDNA YEFNLSALKS LAIKEFFSRP KSNHILKPED CLSEPCTILQ LDMRTVQVPD LETMRGELRF DIQAGTLHG FTAWFSVYFQ SLEEGQPQQV VSTGPLHPTT HWKQTLFMMD DPVPVHTGDV VHGFCCVTKK SGMEKAHVCL SELGCHVRTR SHVSTELETG SFRSGGDS</p> <p>Sequence without tag. The proposed Purification-Tag is based on experiences with the expression system, a different complexity of the protein could make another tag necessary. In case you have a special request, please contact us.</p>

Product Details

Characteristics:

Key Benefits:

- Made to order protein - from design to production - by highly experienced protein experts.
- Protein expressed in mammalian cells and purified in one-step affinity chromatography
- The optimized expression system ensures reliability for intracellular, secreted and transmembrane proteins.
- State-of-the-art algorithm used for plasmid design (Gene synthesis).

This protein is a made-to-order protein and will be made for the first time for your order. Our experts in the lab try to ensure that you receive soluble protein.

If you are not interested in a full length protein, please contact us for individual protein fragments.

The big advantage of ordering our made-to-order proteins in comparison to ordering custom made proteins from other companies is that there is no financial obligation in case the protein cannot be expressed or purified.

Purity:

> 90 % as determined by Bis-Tris Page, Western Blot

Grade:

custom-made

Target Details

Target:

PRMT2

Alternative Name:

Prmt2 ([PRMT2 Products](#))

Background:

Protein arginine N-methyltransferase 2 (EC 2.1.1.319) (Histone-arginine N-methyltransferase PRMT2),FUNCTION: Arginine methyltransferase that methylates the guanidino nitrogens of arginyl residues in proteins such as STAT3, FBL, histone H4. May inhibit NF-kappa-B transcription, and promote apoptosis. Represses E2F1 transcriptional activity (in a RB1-dependent manner). Has a negative regulation effect on G1 to S transition of mitotic cell cycle. Involved in growth regulation. 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.
{ECO:0000269|PubMed:16616919, ECO:0000269|PubMed:16648481, ECO:0000269|PubMed:20708585, ECO:0000269|PubMed:20798359}.

Molecular Weight:

50.5 kDa

UniProt:

[Q9R144](#)

Target Details

Pathways:	Intracellular Steroid Hormone Receptor Signaling Pathway , Regulation of Intracellular Steroid Hormone Receptor Signaling , Nuclear Hormone Receptor Binding
-----------	--

Application Details

Application Notes:	In addition to the applications listed above we expect the protein to work for functional studies as well. As the protein has not been tested for functional studies yet we cannot offer a guarantee though.
Restrictions:	For Research Use only

Handling

Format:	Liquid
Buffer:	The buffer composition is at the discretion of the manufacturer.
Handling Advice:	Avoid repeated freeze-thaw cycles.
Storage:	-80 °C
Storage Comment:	Store at -80°C.
Expiry Date:	12 months