

Product datasheet

Recombinant human PRMT8 protein ab196394

2 Images

Description

Product name	Recombinant human PRMT8 protein
Biological activity	Specific activity: 2.22 pmol/min/µg.
Purity	>= 92 % SDS-PAGE. Affinity purified.
Expression system	Baculovirus infected Sf9 cells
Accession	Q9NR22
Protein length	Protein fragment
Animal free	No
Nature	Recombinant
Species	Human
Sequence	<pre> MSKLLNPEEMTSRDYYFDSYAHFGIHEEMLKDEVRTLTYR NSMYHNKHVF KDKVVLVDVGS GTGILSMFAAKAGAKKVFGIECSSISDYSE KIIKANHLDN IITIFKGKVEEVELPVEKVDIIISEWMGYCLFYESMLNTVIFAR DKWLKP GGLMFPDRAALYVVAIEDRQYKDFKIHWVENYGFDMTCI RDVAMKEPLV DIVDPKQVVTNACLIIKEVDIYTVKTEELSFTSAFCLQIQRND YVHALVTY FNIEFTKCHKKMGFSTAPDAPYTHWKQTVFYLEDYLTVRR GEEIYGTISM KPNAKNVRDLDFTVDLDFKGLCETSVSNDYKMR </pre>
Predicted molecular weight	41 kDa including tags
Amino acids	61 to 394
Tags	His-DDDDK tag N-Terminus

Specifications

Our [Abpromise guarantee](#) covers the use of **ab196394** 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

Functional Studies

Form Liquid

Preparation and Storage

Stability and Storage

Shipped on Dry Ice. Store at -80°C. Avoid freeze / thaw cycle.

pH: 8.00

Constituents: 0.63% Tris HCl, 0.64% Sodium chloride, 0.02% Potassium chloride, 0.05% (R*,R*)-1,4-Dimercaptobutan-2,3-diol, 20% Glycerol (glycerin, glycerine)

80 µg/mL FLAG peptide

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

General Info

Function

Membrane-associated arginine methyltransferase that can both catalyze the formation of omega-N monomethylarginine (MMA) and asymmetrical dimethylarginine (aDMA). Able to mono- and dimethylate EWS protein; however its precise role toward EWS remains unclear as it still interacts with fully methylated EWS.

Tissue specificity

Brain-specific.

Sequence similarities

Belongs to the protein arginine N-methyltransferase family. PRMT8 subfamily.

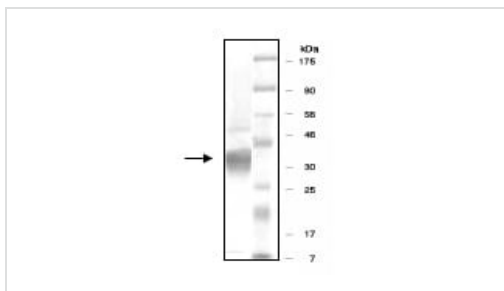
Domain

The SH3-binding motifs mediate the interaction with SH3 domain-containing proteins such as PRMT2 and FYN, possibly leading to displace the N-terminal domain and activate the protein. The N-terminal region (1-60) inhibits the enzymatic activity.

Cellular localization

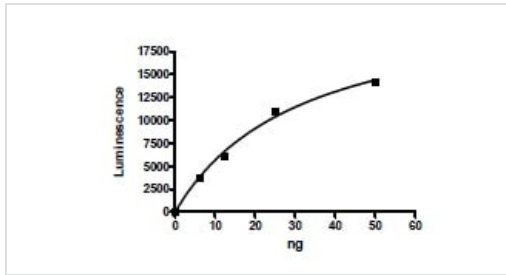
Cell membrane.

Images



10% SDS PAGE with Coomassie staining: 4 µg ab196394.

SDS-PAGE - Recombinant human PRMT8 protein
(ab196394)



Example of specific activity of ab196394.

Functional Studies - Recombinant human PRMT8 protein (ab196394)

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