Datasheet for ABIN2669657

PRMT2 Protein (DYKDDDDK Tag)

1 Image

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Overview

Quantity:	20 µg
Target:	PRMT2
Origin:	Human
Source:	Baculovirus
Protein Type:	Recombinant
Purification tag / Conjugate:	This PRMT2 protein is labelled with DYKDDDDK Tag.
Application:	Enzyme Activity Assay (EAA), Screening Assay (ScA)

Product Details

Characteristics:	Recombinant PRMT2 (accession number NP_996845.1) was expressed in Sf9 cells and contains an N-terminal FLAG tag with an observed molecular weight of 47.6 kDa.

Target Details

Target:	PRMT2
Alternative Name:	PRMT2 (PRMT2 Products)
Background:	PRMT2 (Protein Arginine Methyltransferase 2) is a member of the protein arginine N-methyltransferase (PRMT) family that is capable of monomethylating and asymmetrically dimethylating arginine residues. PRMT2 methylates the guanidino nitrogens of arginyl residues in proteins such as STAT3, FBL, and histone H4. PRMT2, along with NCOA2, acts as a coactivator of androgen receptor (AR)-mediated transactivation. PRMT2 also acts as a coactivator (with estrogen) of estrogen receptor (ER)-mediated transactivation. PRMT2 enhances PGR, PPARY, RARA-mediated transactivation and may inhibit NFκB transcription and

Target Details

	promote apoptosis. PRMT2 is known to repress E2F1 transcriptional activity in an Rb-dependent manner and may be involved in growth regulation.
Molecular Weight:	47.6 kDa
Pathways:	Intracellular Steroid Hormone Receptor Signaling Pathway, Regulation of Intracellular Steroid Hormone Receptor Signaling, Nuclear Hormone Receptor Binding

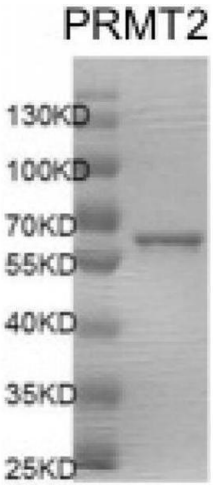
Application Details

Application Notes:	Recombinant PRMT2 is suitable for use in the study of enzyme kinetics, inhibitor screening, and selectivity profiling. Specific Activity: PRMT2 methylates the guanidino nitrogens of arginyl residues in proteins such as STAT3, FBL, and histone H4.May methylate H3R8 and H4.
Restrictions:	For Research Use only

Handling

Handling Advice:	Avoid repeated freeze/thaw cycles and keep on ice when not in storage.
Storage:	-80 °C
Storage Comment:	Recombinant proteins in solution are temperature sensitive and must be stored at -80°C to prevent degradation.

Images



Western Blotting

Image 1. Recombinant PRMT2 protein gel. PRMT2 protein was run on a 10% SDS-PAGE gel and stained with Coomassie blue.