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PRMT6 Protein (DYKDDDDK Tag)

2 Images



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Overview

Quantity:	20 μg
Target:	PRMT6
Origin:	Human
Source:	Baculovirus
Protein Type:	Recombinant
Purification tag / Conjugate:	This PRMT6 protein is labelled with DYKDDDDK Tag.
Application:	Enzyme Activity Assay (EAA), Screening Assay (ScA)
Product Details	
Characteristics:	Recombinant PRMT6 (accession number NP_060607.2) was expressed in Sf9 cells and
	contains an N-terminal FLAG tag with an observed molecular weight of 43.7 kDa.

Target Details

Target:	PRMT6
Alternative Name:	PRMT6 (PRMT6 Products)
Background:	PRMT6 (Protein Arginine Methyltransferase 6, HRMT1L6, ANM6) is a type I arginine
	methyltransferase. Arginine methylation is a common post-translational modification of
	histones and other cellular proteins. PRMT6 preferentially methylates arginine residues present
	in GAR (glycine and arginine-rich) domains. PRMT6 asymmetrically dimethylates histone H3 at
	Arg2, which is mutually exclusive to methylation at lysine 4 (associated with transcriptional
	activation), and thus PRMT6 serves as a transcriptional repressor in this context. It can also
	symmetrically dimethylate H2A and H4 at Arg3 and serves as a coactivator of transcription in

Target Details

Target Details	
	concert with nuclear receptors.
Molecular Weight:	43.7 kDa
Application Details	
Application Notes:	Recombinant PRMT6 is suitable for use in the study of enzyme kinetics, inhibitor screening, and selectivity profiling. Specific Activity: Specifically mediates the asymmetric dimethylation of histone H3 'Arg-2' to form H3R2me2a. Also methylates histone H2A and H4 'Arg-3' (H2AR3me and H4R3me, respectively). HMT Assay Conditions: 50 mM TrisCl, pH 8.6, 0.02 % Triton X-100, 2 mM MgCl2, 1 mM TCEP, 60 ng/µl Histone H3 purified from E. coli (rH3), 30 ng/µl Recombinant PRMT6 protein at 2 hours at room temperature. Activity was detected by fluorography.
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

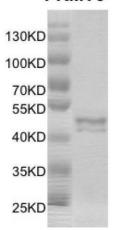
TH3 = 60 ng/µl PRMT6 = 30 ng/µl 1 2 Lane 1: rH3 only (no enzyme)

Lane 2: PRMT6 + rH3

Western Blotting

Image 1. PRMT6 activity assay. HMT assay measuring the activity of Recombinant PRMT6. Activity was detected by fluorography.

PRMT6



Western Blotting

Image 2. Recombinant PRMT6 protein gel. PRMT6 protein was run on a 10% SDS-PAGE gel and stained with Coomassie blue.