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Datasheet for ABIN7317582

PRMT6 Protein (His tag,DYKDDDDK Tag)

Overview

Quantity:	50 µg
Target:	PRMT6
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This PRMT6 protein is labelled with His tag,DYKDDDDK Tag.

Product Details

Purpose:	Recombinant Human PRMT6/HRMT1L6 Protein (His & FLAG Tag)
Sequence:	Met 1-Asp 375
Characteristics:	A DNA sequence encoding the human PRMT6 (NP_060607.2) (Met 1-Asp 375) was expressed, fused with a polyhistidine tag at the C-terminus and the flag tag at the N-terminus.
Purity:	> 95 % as determined by reducing SDS-PAGE.
Endotoxin Level:	< 1.0 EU per µg as determined by the LAL method.

Target Details

Target:	PRMT6
Alternative Name:	PRMT6/HRMT1L6 (PRMT6 Products)
Background:	Background: Protein arginine N-methyltransferase 6, also known as Histone-arginine N-methyltransferase PRMT6, PRMT6, and HRMT1L6, is a member of the protein arginine N-methyltransferase family and PRMT6 subfamily. PRMT6 is highly expressed in kidney and

Target Details

testes. PRMT6 is known to catalyze the generation of asymmetric dimethylarginine in polypeptides. It has been implicated in human immunodeficiency virus pathogenesis, DNA repair, and transcriptional regulation. PRMT6 is known to methylate histone H3 Arg-2 (H3R2), and this negatively regulates the lysine methylation of H3K4 resulting in gene repression. PRMT6 plays a key role in coupling process by functioning as a transcriptional coactivator that can regulate alternative splicing. PRMT6 coactivates the progesterone, glucocorticoid and oestrogen receptors in luciferase reporter assays in a hormone-dependent manner. Small interfering RNA (siRNA) oligonucleotide duplex knockdown of PRMT6 disrupts oestrogen-stimulated transcription of endogenous GREB1 and progesterone receptor in MCF-7 breast cancer cells. Neutralizing the activity of PRMT6 could inhibit tumor progression and may be of cancer therapeutic significance.

Synonym: HRMT1L6

Molecular Weight: 44.4 kDa

NCBI Accession: [NP_060607](#)

Application Details

Restrictions: For Research Use only

Handling

Format: Lyophilized

Reconstitution: Please refer to the printed manual for detailed information.

Buffer: Lyophilized from sterile PBS, pH 7.5

Storage: 4 °C, -20 °C, -80 °C

Storage Comment: Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.