

Product datasheet for PH314074

PRMT1 (NM_198319) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	PRMT1 MS Standard C13 and N15-labeled recombinant protein (NP_938075)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC214074
Predicted MW:	42.3 kDa
Protein Sequence:	>RC214074 representing NM_198319 Red=Cloning site Green=Tags(s) MVGVAEVSCGQAESSEKPAEDMTSKDYFDSYAHFGIHEEMLKDEVRTLTYRNSMFHNRHLFKDKVVLV VSGTGILCMFAAKAGARKVIGIECSSISDYAVKIVKANKLDHVVTIIGKVEEVELPVEKVDIIISEWM GYCLFYESMLNTVLYARDKWLAPDGLIFPDRATLYVTAIEDRQYKDYKIHWWENVYGFDMSCIKDVAIKE PLVDVDPKQLVTNACLIKEVDIYTKVEDLTFTSPFCLQVQRNDYVHALVAYFNIEFTRCHKRTGFSTS PESPYTHWKQTVFYMEDYLTVKTGEEIFGTIGMRPNAKNNRDLDFIDLDFKGQLCELSCSTDYRMR TRTRPLEQKLISEEDLAANDILDYKDDDDKV
Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- ¹³ C ₆ , ¹⁵ N ₄]-L-Arginine and [U- ¹³ C ₆ , ¹⁵ N ₂]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	NP_938075
RefSeq Size:	1435
RefSeq ORF:	1041
Synonyms:	6720434D09Rik; ANM1; arginine N-methyltransferase 1; AW214366; HCP1; heterogeneous nuclear ribonucleoproteins methyltransferase-like 2; HRMT1L2; Hrmt1I2; IR1B4; Mrmt1; OTTMUSP00000022387; protein arginine N-methyltransferase 1



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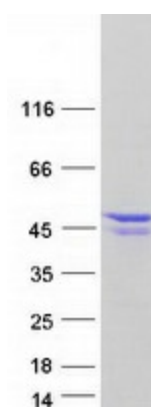
Locus ID: 3276

UniProt ID: [Q99873](#)

Cytogenetics: 19q13.33

Summary: This gene encodes a member of the protein arginine N-methyltransferase (PRMT) family. Post-translational modification of target proteins by PRMTs plays an important regulatory role in many biological processes, whereby PRMTs methylate arginine residues by transferring methyl groups from S-adenosyl-L-methionine to terminal guanidino nitrogen atoms. The encoded protein is a type I PRMT and is responsible for the majority of cellular arginine methylation activity. Increased expression of this gene may play a role in many types of cancer. Alternatively spliced transcript variants encoding multiple isoforms have been observed for this gene, and a pseudogene of this gene is located on the long arm of chromosome 5. [provided by RefSeq, Dec 2011]

Product images:



Coomassie blue staining of purified PRMT1 protein (Cat# [TP314074]). The protein was produced from HEK293T cells transfected with PRMT1 cDNA clone (Cat# [RC214074]) using MegaTran 2.0 (Cat# [TT210002]).