
PRMT1 isoform3, 1-353 aa, Human, His-MBP tagged, Recombinant, E.coli

Cat.NO.: TP03529

3th Edition

Synonyms:HMT1 hnRNP methyltransferase-like 2 isoform 3, ANM1, HCP1, HRMT1L2, IR1B4.

Description:Protein arginine N-methyltransferase 1(PRMT1) is a type I methyltransferase that transfers a methyl group from S-adenosylmethionine to guanidino nitrogens of arginine residues to form monomethylarginine and asymmetric dimethylarginine. Functions of type I arginine methylation in proteins may include regulation of transcription, modulation of the affinity of nucleic acid-binding proteins, regulation of interferon signaling pathways, and targeting of nuclear proteins.

Form:Liquid. In 40 mM Tris-HCl buffer (pH 8.0) containing 2 mM DTT 100 mM NaCl, 4 mM MgCl₂, 40% glycerol

Molecular Weight:84 kDa (750 aa)

Sequences:

MHHHHHMKIEEGKLVWINGDKGYNGLAEVGGKFEKDTGIKVTVEHPDKLEEKFPQVAATGDGPDIIFWAHDRFG
GYAQSGLLAEITPDKAFQDKLYPFTWDAVRYNGKLIAYPIAVEALS LIYNKDLLPNPPKTWEEIPALDKELKAKGKSAL
MFNLQEPYFTWPLIAADGGYAFKYENGYDIKDVGVNAGAKAGLTFLVDLIKHKHMNADTDYSIAEAAFNKGETA
MTINGPWAWSNIDTSKVNYGVTVLPTFKGQPSKPFVGVLSAGINAASPNKELAKEFLENYLLTDEGLEAVNKDKPLG
AVALKSYEEELAKDPRIATMENAQKGEIMPNIQMSAFWYAVRTAVINAASGRQTVDEALKDAQTNSSSNNNNNN
NNNNLGIIEGRGSHMAAAEAANCIMEVSCGQAESSEKPAEDMTSKDYYFDSYAHFGIHEEMLKDEVRTLTYRNSM
FHNHRLFKDKVVLVDVSGTGILCMFAAKAGARKVIGIECSSISDYAVKIVKANKLDHVVTIIGKVEEVELPVEKVDIIIS
EWMGYCLFYESMLNTVLYARDKWLAPDGLIFPDRATLYVTAIEDRQYKDYKIHWWENVYGFDMSCIKDVAIKEPLV
DVVDPKQLVTNACLIIKEVDIYTVKVEDLTFTSPFCLQVKRNDYVHALVAYFNIEFTRCHKRTGFSTSPESPYTHWKQ
TVFYMEDYLTVKTGEEIFGTIGMRPNKNNRDLDFIDLDFKQQLCELSCSTDYRMR

Purity:> 95% by HPLC

Concentration:1 mg/ml (determined by Bradford assay)

Endotoxin Level:<1.0 EU per 1 ug of protein (determined by LAL method)

Storage:Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.