

PRMT3, 1-531aa, Human, His tag, E.coli

Cat.NO.: TP03530

3th Edition

Synonyms:Protein arginine N-methyltransferase 3 isoform 1, HRMT1L3

Description:PRMT3, as known as protein arginine N-methyltransferase 3, belongs to the protein arginine methyltransferase family. This enzyme catalyzes the methylation of guanidino nitrogens of arginyl residues of proteins. It acts on 40S ribosomal protein S2 (rpS2), which is its major in-vivo substrate, and is involved in the proper maturation of the 80S ribosome. Recombinant human PRMT3, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.

Form:Liquid. In Phosphate buffer saline (pH 7.4) containing 20% glycerol, 1mM DTT.

Molecular Weight:62.3kDa (554aa)

Sequences:

MGSSHHHHHSSGLVPRGSHMGSMCSLASGATGGRGAVENEEDLPELSDSGDEAAWEDEDDADLPHGKQQTP
CLFCNRLFTSAEETFHCKSEHQFNIDSMVHKHGLEFYGYIKLINFIRLKNPTVEYMNSIYNPVPWEKEEYLPVLED
DLLLQFDVEDLYEPVSPFSSYPNGLSENTSVVEKLVHMEARALSAEAALARAREDLQKMKQFAQDFVMHTDVRTC
SSSTSVIADLQEDEDGVYFSSYGHYGIHEEMLKDKIRTESYRDFIYQNPFIKDKVVLVDVCGGTGILSMFAAKAGAKK
VLGVDQSEILYQAMDIIRLNKLEDITLIKGIIEVHLPVEKVDVIISEWMGYLLFESMLDSVLYAKNKYLAKGGSVYP
DICTISLVAVSDVNKHADRIAFWDDVYGFKMSCMKKAVIPEAVVEVLDPKTLISEPCGIKHIDCHTTSSIDLEFSSDFTL
KITRTSMCTAIAGYFDIYFEKNCHNRVVFSTGPQSTKTHWKQTVFLLEKPFVSKAGEALKGKVTVHKNKKDPRSLTV
TLTLNNTQTYGLQ

Purity:> 95% by HPLC

Concentration:0.5mg/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.