
Product Data Sheet

Product Name: PRMT3 Human

Cat. No.: GP22162

Batch No.: 1

Product Data

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	Protein Arginine Methyltransferase 3; Heterogeneous Nuclear Ribonucleoprotein; Methyltransferase-Like Protein 3; HRMT1L3; HMT1 HnRNP Methyltransferase-Like 3 (S. Cerevisiae); Protein Arginine N-Methyltransferase 3; HMT1 HnRNP Methyltransferase-Like 3; EC 2.1.1.-;EC 2.1.1; PRMT3.		
Amino Acid Sequence	MGSSHHHHHH SGLVPRGSH MGSMCSLASG ATGGRGAVEN EEDLPELSDS GDEAAWEDED DADLPHGKQQ TPCLFCNRLF TSAEETFSHC KSEHQFNIDS MVHKHGLEFY GYIKLINFIR LKNPTVEYMN SIYNPVPWEK EEYLKPVLED DLLLQFDVED LYEPVSVFYS YPNGLSENTS VVEKCLKHMEA RALSAEALA RAREDLQKMK QFAQDFVMHT DVRTCSSSTS VIADLQEDED GVFSSYGHY GIHEEMLKDK IRTESYRDFI YQNPHIFKDK VVLDVGCSTG ILSMFAAKAG AKKVLGVDQS EILYQAMDII RLNKLEDTIT LIKGKIEEVH LPVEKVDVII SEWMGYLLF ESMLDSVLYA KNKYLAKEGGS VYPDICTISL VAVSDVNKHA DRIAFWDDVY GFKMSCMKKA VIPEAVVEVL DPKTLISEPC GIKHIDCHTT SISDLFSSD FTLKITRTSM CTAIAGYFDI YFEKNCHNRV VFSTGPQSTK THWKQTVFLL EKPFVSKAGE ALKGKVTVHK NKKDPRSLTV TLTLNNSTQT YGLQ		
Formulation	PRMT3 protein solution (0.5mg/ml) containing Phosphate buffered saline (pH7.4) and 20% glycerol, 1mM DTT.		

Introduction

PRMT3, also known as protein arginine N-methyltransferase 3, is a member of the protein arginine methyltransferase family. PRMT3 catalyzes the methylation of guanidino nitrogens of arginyl residues of proteins. PRMT3 operates on 40S ribosomal protein S2, rpS2, which is the major in-vivo substrate, additionally PRMT3 is also involved in the

Caution: Product has not been fully validated for medical applications. For research use only.

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proper maturation of the 80S ribosome.

Stability

Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

Background

PRMT3 Human Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 554 amino acids (1-531 a.a) and having a molecular mass of 62.3kDa. PRMT3 is fused to a 23 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.

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