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# Recombinant human PRMT3 protein

Catalog Number: ATGP2958

# **PRODUCT INFORMATION**

## **Expression system**

E.coli

#### **Domain**

1-531aa

#### **UniProt No.**

060678

#### **NCBI Accession No.**

NP 005779.1

### **Alternative Names**

Protein arginine N-methyltransferase 3 isoform 1, HRMT1L3

# **PRODUCT SPECIFICATION**

## **Molecular Weight**

62.3 kDa (554aa)

#### Concentration

0.5mg/ml (determined by Bradford assay)

#### **Formulation**

Liquid in. Phosphate-Buffered Saline (pH 7.4) containing 20% glycerol

#### **Purity**

> 90% by SDS-PAGE

#### Tag

His-Tag

# **Application**

SDS-PAGE

# **Storage Condition**

Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

#### **BACKGROUND**

#### **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.



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# **Amino acid Sequence**

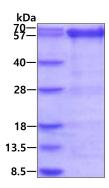
<MGSSHHHHHH SSGLVPRGSH MGS>MCSLASG ATGGRGAVEN EEDLPELSDS GDEAAWEDED DADLPHGKQQ TPCLFCNRLF TSAEETFSHC KSEHQFNIDS MVHKHGLEFY GYIKLINFIR LKNPTVEYMN SIYNPVPWEK EEYLKPVLED DLLLQFDVED LYEPVSVPFS YPNGLSENTS VVEKLKHMEA RALSAEAALA RAREDLQKMK QFAQDFVMHT DVRTCSSSTS VIADLQEDED GVYFSSYGHY GIHEEMLKDK IRTESYRDFI YQNPHIFKDK VVLDVGCGTG ILSMFAAKAG AKKVLGVDQS EILYQAMDII RLNKLEDTIT LIKGKIEEVH LPVEKVDVII SEWMGYFLLF ESMLDSVLYA KNKYLAKGGS VYPDICTISL VAVSDVNKHA DRIAFWDDVY GFKMSCMKKA VIPEAVVEVL DPKTLISEPC GIKHIDCHTT SISDLEFSSD FTLKITRTSM CTAIAGYFDI YFEKNCHNRV VFSTGPQSTK THWKQTVFLL EKPFSVKAGE ALKGKVTVHK NKKDPRSLTV TLTLNNSTQT YGLO

#### **General References**

Tang J, Gary JD, et al. (1998). J Biol Chem. 273(27):16935-45. Choi S, Jung CR, et al. (2008). Biochim Biophys Acta. 1780(9):1062-9.

# **DATA**

#### **SDS-PAGE**



3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.

