

Recombinant human PRMT3 protein

Catalog Number: ATGP2958

PRODUCT INFORMATION

Expression system

E.coli

Domain

1-531aa

UniProt No.

O60678

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 MVHKGLEFY GYIKLINFIR LKNPTVEYMN SIYNPVPWEK EEYLKPVLED
DLLLQFDVED LYEPVSVVPS YPNGLSENTS VVEKLVHMEA RALSAEAAAL RAREDLQMKM QFAQDFVMHT DVRTCSSTS
VIADLQEDDED GVFYSSYGHY GIHEEMLKDK IRTESYRDFI YQNPHIFKDK VVLDVGCCTG ILSMFAAKAG AKKVLGVDQS
EILYQAMDII RLNKLEDTIT LIKGKIEEVH LPVEKVDVII SEWMGYFLLF ESMLDSVLYA KNKYLAKGGS VYDPDICTISL
VAVSDVNHKA DRIAFWDDVY GFKMSCMKKA VIPEAVVEVL DPKTLISEPC GIKHIDCHTT SIDLEFSSD FTLKITRTSM
CTAIAGYFDI YFEKNCHNRV VFSTGPQSTK THWKQTVFLL EKPFVSKAGE ALKGKVTVHK NKKDPRSLTV TLTLNNTQT
YGLQ

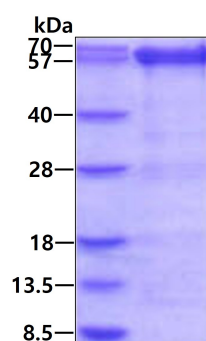
General References

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.