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

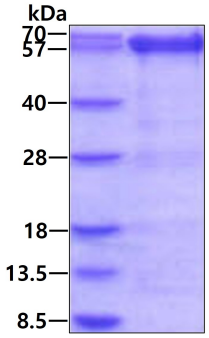
<MGSSHHHHHH SSGLVPRGSH MGS>MCSLASG ATGGRGAVEN EEDLPELSDS GDEAAWEDED DADLPHGKQQ TPCLFCNRLF TSAEETFSHC KSEHQFNIDS MVHKHGLEFY GYIKLINFIR LKNPTVEYMN SIYNPVPWEK EEYLKPVLED DLLLQFDVED LYEPVSVPFS YPNGLSENTS VVEKLKHMEA RALSAEAALA RAREDLQKMK QFAQDFVMHT DVRTCSSSTS VIADLQEDED GVYFSSYGHY GIHEEMLKDK IRTESYRDFI YQNPHIFKDK 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 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.