Recombinant human AS3MT protein

Catalog Number: ATGP1555

PRODUCT INFORMATION

Expression system
E.coli

Domain
1-375aa

UniProt No.
Q9HBK9

NCBI Accession No.
NP_065733

Alternative Names
Arsenic (+3 oxidation state) methyltransferase, CYT19, RP11-753C18.6

PRODUCT SPECIFICATION

Molecular Weight
44.3 kDa (399aa) confirmed by MALDI-TOF

Concentration
1mg/ml (determined by Bradford assay)

Formulation
Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 10% glycerol, 0.15M NaCl

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
AS3MT catalyzes the transfer of a methyl group from S-adenosyl-L-methionine (AdoMet) to trivalent arsenical and may play a role in arsenic metabolism. Recombinant human AS3MT protein, fused to His-tag at N-terminus, was expressed in E. coli and purified by using conventional chromatography techniques.

Amino acid Sequence
<MGSSHHHHHH SSGLVPRGSH MGSH>MAALRD AEIQKDVQTY YGQVLKRSAD LQTNGCVTTA RPVPKHIREA LQNVHEEVAL RYYGCGLVIP EHLENCWILD LGSGSGRDCY VLSQLVGEKG HVTGIDMTKG QVEVAEKYLD YHMEKYGFQA

For research use only. This product is not intended or approved for human, diagnostics or veterinary use.

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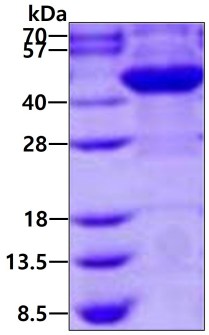
SNVTFIHGYI EKLGEAGIKN ESHDIVVSNC VINLVPDKQQ VLQEAYRVLK HGGELYFSDV YTSLELPEEI RTHKVLWGEC LGGALYWKEL AVLAQKIGFC PPRLVTANLI TIQNKELERV IGDCRFVSAT FRLFKHSKTG PTKRCQVIYN GGITGHEKEL MFDANFTFKE GEIVEVDEET AAILKNSRFA QDFLIRPIGE KLPTSGGCSA LELKDIITDP FKLAEESDSM KSRCVPDAAG GCCGTKKSC

General References

Sumi,D., et al. (2011) Biochem. Biophys. Res. Commun. 415 (1), 48-53
Watanabe,T., et al. (2011) Arch. Toxicol. 85 (6), 577-588

DATA

SDS-PAGE



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