

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 SSSLVPRGSH MGSMAALRD AEIQKDVQTY YGQVLKRSAD LQTNGCVTTA RPVPKHIREA LQNVHEEVAL RYYGCVLVIP EHLNCWILD LGSVGRDCY VLSQLVGEKG HVTGIDMTKG QVEVAEKYLD YHMEKYGFQA SNVTFIHGYI

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

General References

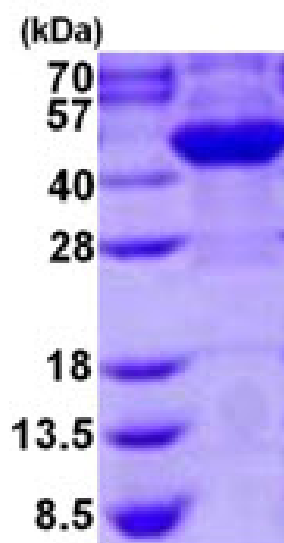
Sumi,D., et al. (2011) Biochem. Biophys. Res. Commun. 415 (1), 48-53

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.



15% SDS-PAGE (3ug)