

Product information

AS3MT, 1-375 aa

Human, His-tagged, Recombinant, *E.coli*

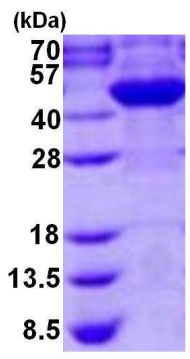
Cat. No. IBATGP1555

Full name: Arsenic (+3 oxidation state) methyltransferase

NCBI Accession No.: NP_065733

Synonym: CYT19, RP11-753C18.6

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.

<p>Form: Liquid. 20mM Tris-HCl buffer (pH8.0) containing 10% glycerol 0.15M NaCl</p> <p>Molecular Weight: 44.3kDa(399aa), confirmed by MALDI-TOF</p> <p>Purity: > 90% by SDS - PAGE</p> <p>Concentration: 1 mg/ml (determined by Bradford assay)</p>	
<p>Sequences of amino acids:</p> <p>MGSSHHHHHH SSGLVPRGSH MGSMAALRD AEIQKDVQTY YGQVLKRSAD LQTNGCVTTA RPVPKHIREA LQNVHEEVAL RYYGCGLVIP EHLENCWILD LGSGSGRDCY VLSQLVGEKG HVTGIDMTKG QVEVAEKYLD YHMEKYGFQA SNVTFIHGYI EKLGEAGIKN ESHDIVVSNC VINLVPDKQQ VLQEAYRVLK HGGELYFSDV YTSLELPEEI RTHKVLWGEC LGGALYWKEL AVLAQKIGFC PPRLVTANLI TIQNKELERV IGDCRFVSAT FRLFKHSKTG PTKRCQVIYN GGITGHEKEL MFDANFTFKE GEIVEVDEET AA I LKNSRFA QDFLIRPIGE KLPTSGGCSA LELKDIITDP FKLAESDSM KSRCVPDAAG GCCGTTKSC</p>	

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

Storage: Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C.
Avoid repeated freezing and thawing cycles.

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