

Arsenic Methyltransferase Human Recombinant

Item Number	rAP-2005
Synonyms	Arsenite methyltransferase, Methylarsonite methyltransferase, S-adenosyl-L-methionine:arsenic(III) methyltransferase, AS3MT, CYT19, RP11-753C18.6.
Description	AS3MT Human Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 399 amino acids (1-375 a.a.) and having a molecular mass of 44.3kDa. AS3MT is fused to a 24 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.
Uniprot Accession Number	Q9HBK9
Amino Acid Sequence	MGSSHHHHHH SSSLVPRGSH MGSMAALRD AEIQKDVQTY YGQVLKRSAD LQTNGCVTTA RPVPKHIREA LQNVHEEVAL RYYGCLVIP EHLENCWILD LGSGSGRDCY VLSQLVGEKG HVTGID- MTKG QVEVAEKYLD YHMEKYGFQA SNVTFIHGYI EKLGEAGIKN ESHDIVSNCVINLVPDKQQ VLQEAYRVLK HGGELYFSDV YTSLELPEEI RTHKVLWGEC LGGALYWKEL AVLAQKIGFC PPRLVTANLI TIQNKELERV IGDCRFVSAT FRLFKHSKTG PTKRCQVIYN GGITGHEKEL MFDANFTFKE GEIVEVDEET AAILKNSRFA QDFLIRPIGE KLPTSGGCSA LELKDIITDP FKLAEESDSM KSRCVPDAAG GCCGTTKSC.
Source	Escherichia Coli.
Physical Appearance and Stability	Sterile Filtered colorless solution. Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.
Formulation and Purity	AS3MT protein solution (1mg/ml) containing 20mM Tris-HCl buffer (pH8.0), 10% glycerol and 0.15M NaCl. Greater than 90.0% as determined by SDS-PAGE.
Application	
Solubility	
Biological Activity	
Shipping Format and Condition	Lyophilized powder at room temperature.

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for **Research Use Only**