

Datasheet for ABIN7552392
AS3MT Protein (AA 1-375) (His tag)



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Overview

Quantity:	1 mg
Target:	AS3MT
Protein Characteristics:	AA 1-375
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This AS3MT protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant AS3MT Protein expressed in mammalian cells.
Sequence:	MAALRDAEIQ KDVQTYYGQV LKRSADLQTN GCVTTARPVP KHIREALQNV HEEVALRYYG CGLVIPEHLE NCWILDLGSG SGRDCYVLSQ LVGEKGHVTVG IDMTKGQVEV AEKYLDYHME KYGFQASNVT FIHGIEKLG EAGIKNESHV IVSNCVINL VPDKQQVLQE AYRVLKHGGE LYFSDVYTSL ELPEEIRTHK VLWGECLGGA LYWKELAVLA QKIGFCPPRL VTANLITIQN KELERVIGDC RFVSATFRLF KHSKTGPTKR CQVIYNGGIT GHEKELMFDA NFTFKEGEIV EVDEETAAIL KNSRFAQDFL IRPIGEKLPT SGGCSALELK DIITDPFKLA EESDSMKSRC VPDAAGGCCG TKKSC Sequence without tag. The proposed Purification-Tag is based on experiences with the expression system, a different complexity of the protein could make another tag necessary. In case you have a special request, please contact us.
Specificity:	If you are looking for a specific domain and are interested in a partial protein or a different isoform, please contact us regarding an individual offer.
Characteristics:	Key Benefits:

Product Details

- Made to order protein - from design to production - by highly experienced protein experts.
- Protein expressed in mammalian cells and purified in one-step affinity chromatography
- The optimized expression system ensures reliability for intracellular, secreted and transmembrane proteins.
- State-of-the-art algorithm used for plasmid design (Gene synthesis).

This protein is a made-to-order protein and will be made for the first time for your order. Our experts in the lab try to ensure that you receive soluble protein.

If you are not interested in a full length protein, please contact us for individual protein fragments.

The big advantage of ordering our made-to-order proteins in comparison to ordering custom made proteins from other companies is that there is no financial obligation in case the protein cannot be expressed or purified.

Purity:	> 90 % as determined by Bis-Tris PAGE, anti-tag ELISA, Western Blot and analytical SEC (HPLC)
Grade:	custom-made

Target Details

Target:	AS3MT
Alternative Name:	AS3MT (AS3MT Products)
Background:	Arsenite methyltransferase (EC 2.1.1.137) (Methylarsonite methyltransferase) (S-adenosyl-L-methionine:arsenic(III) methyltransferase),FUNCTION: Catalyzes the transfer of a methyl group from AdoMet to trivalent arsenicals producing methylated and dimethylated arsenicals (PubMed:16407288, PubMed:25997655). It methylates arsenite to form methylarsonate, Me-AsO(3)H(2), which is reduced by methylarsonate reductase to methylarsonite, Me-As(OH)2 (PubMed:16407288, PubMed:25997655). Methylarsonite is also a substrate and it is converted into the much less toxic compound dimethylarsinate (cacodylate), Me(2)As(O)-OH (PubMed:16407288, PubMed:25997655). {ECO:0000269 PubMed:16407288, ECO:0000269 PubMed:25997655}.
Molecular Weight:	41.7 kDa
UniProt:	Q9HBK9

Application Details

Application Notes: We expect the protein to work for functional studies. As the protein has not been tested for functional studies yet we cannot offer a guarantee though.

Restrictions: For Research Use only

Handling

Format: Liquid

Buffer: The buffer composition is at the discretion of the manufacturer.

Handling Advice: Avoid repeated freeze-thaw cycles.

Storage: -80 °C

Storage Comment: Store at -80°C.

Expiry Date: 12 months
