

## Recombinant Human AS3MT protein, GST-tagged

**Cat. No.** AS3MT-877H    **Lot. No.** (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                 |
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| <b>Product Overview</b> | Human AS3MT full-length ORF ( AA160057.1, 1 a.a. - 375 a.a.) recombinant protein with GST-tag at N-terminal.                                                                                                                                                                                                                                                                                                    |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>Source</b>           | Wheat Germ                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>Description</b>      | 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 (Lin et al., 2002 [PubMed 11790780]).[supplied by OMIM, Mar 2008]                                                                                                                                                                                         |
| <b>Molecular Mass</b>   | 67.65 kDa                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>AA Sequence</b>      | MAALRDAEIQKDVQTYYGQVLKRSADLQTNGCVTTARVPKHIREALQNVHEEVAL<br>RYYGCGLVIPEHLENCWILDLGSGSGRDCYVLSQLVGEKGHVTGIDMTKGQVEVAE<br>KYLDYHMEKYGFQASNVTFIHGYIEKLGEAGIKNESHDIIVVSNVINLVPDKQQVLQE<br>AYRVLKHGGELYFSDVYTSLELPEEIRTHKVLWGECLGGALYWKELAVLAQKIGFCP<br>PRLVTANLITIQNKELELVIGDCRFVSATFRLFKHSGTKGPTKRCQVIYNGGITGHEKEL<br>MFDANFTFKEGEIVEVDEETAAILKNSRFAQDFLIRPIGEKLPTSGGCSALELKDIITDP<br>FKLAEESDSMKSRCVPDAAGGCCGTTKSC |
| <b>Applications</b>     | Enzyme-linked Immunoabsorbent Assay; Western Blot (Recombinant protein); Antibody Production; Protein Array                                                                                                                                                                                                                                                                                                     |
| <b>Notes</b>            | Best use within three months from the date of receipt of this protein.                                                                                                                                                                                                                                                                                                                                          |

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| <b>Storage</b>          | Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.                                                                                                                                                                                                          |
| <b>Storage Buffer</b>   | 50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.                                                                                                                                                                                                          |
| <b>GENE INFORMATION</b> |                                                                                                                                                                                                                                                                                   |
| <b>Gene Name</b>        | AS3MT arsenic (+3 oxidation state) methyltransferase [ Homo sapiens ]                                                                                                                                                                                                             |
| <b>Official Symbol</b>  | AS3MT                                                                                                                                                                                                                                                                             |
| <b>Synonyms</b>         | AS3MT; arsenic (+3 oxidation state) methyltransferase; arsenite methyltransferase; CYT19; methyltransferase cyt19; methylarsonite methyltransferase; S-adenosylmethionine:arsenic (III) methyltransferase; S-adenosyl-L-methionine:arsenic(III) methyltransferase; RP11-753C18.6; |
| <b>Gene ID</b>          | 57412                                                                                                                                                                                                                                                                             |
| <b>mRNA Refseq</b>      | NM_020682                                                                                                                                                                                                                                                                         |
| <b>Protein Refseq</b>   | NP_065733                                                                                                                                                                                                                                                                         |
| <b>MIM</b>              | 611806                                                                                                                                                                                                                                                                            |
| <b>UniProt ID</b>       | Q9HBK9                                                                                                                                                                                                                                                                            |