

Product datasheet for TP525259

As3mt (NM_020577) Mouse Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Mouse arsenic (+3 oxidation state) methyltransferase (As3mt), with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug
Species:	Mouse
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>MR225259 protein sequence Red =Cloning site Green =Tags(s)

MAASRDADEIHKDVQNYGNNVLKTSADLQTNACVTRAKPVPSYIRESLQNVHEDVSSRYGCGTLVPERL
ENCRILDGSGSGRDCYVLSQLVGEKGHVTGIDMTKVQVEVAKTYLEHHMEKFGFQAPNVTFHGRIEKL
AEGIQSESYDIVISNCVINLVPDKQQVLQEVYRVLKHGGELYFSDVYASLEVPEDIKSHKVLWGECLGG
ALYWKDLAIIAQKIGFCPPRLVTADIITVENKELEGLVGDRCRFVSATFRLFKLPKTEPAERCRVYNGGI
KGHEKELIFDANFTFKEGEAVAVDEETA AVLKNSRFAPDFLFTPV DASPAPQGRSELETKVLIRDPFKL
AEDSDKMKPRHAPEGTGGCCGKRKNC

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag:	C-MYC/DDK
Predicted MW:	41.8 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C after receiving vials.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	NP_065602
Locus ID:	57344
UniProt ID:	Q91WU5



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RefSeq Size:	1752
Cytogenetics:	19 C3
RefSeq ORF:	1131
Synonyms:	2310045H08Rik; Cyt19
Summary:	Catalyzes the transfer of a methyl group from AdoMet to trivalent arsenicals producing methylated and dimethylated arsenicals. It methylates arsenite to form methylarsonate, Me-AsO(3)H(2), which is reduced by methylarsonate reductase to methylarsonite, Me-As(OH)2. Methylarsonite is also a substrate and it is converted into the much less toxic compound dimethylarsinate (cacodylate), Me(2)As(O)-OH.[UniProtKB/Swiss-Prot Function]