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# Product datasheet for TP503838

## Mtap (NM_024433) Mouse Recombinant Protein

### Product data:

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|---|---|
| **Product Type:** | Recombinant Proteins |
| **Description:** | Purified recombinant protein of Mouse methylthioadenosine phosphorylase (Mtap), with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug |
| **Species:** | Mouse |
| **Expression Host:** | HEK293T |
| **Expression cDNA Clone or AA Sequence:** | >MR203838 protein sequence<br>Red=Cloning site Green=Tags(s)<br><br>MASGSACTAVKIGIIGGTGLDDPEILEGRTEKYVDTPFGKPSDALILGKIKNVDCVLLARHGRQHTIMPS<br>KVNYQANIWALKEEGCTHVIVTTACGSLREEIQPGDMVIIDQFIDRTSLRPQTFYDGSHCSARGVCHIPM<br>AEPFCPKTREVLIETAKKLGLRCHSKGTIVTIEGPRFSSRAESLIFRTWGADVVNMTTVPEVVLAKEAGI<br>CYASIAMATDYDCWKEHEEAVSVDGVLKTMKENANKAKSLLLTTIPQIGSMEWSETLRNLKNMAQFSVLP<br>PRH<br><br>TRTRPLEQKLISEEDLAANDILDYKDDDDKV |
| **Tag:** | C-MYC/DDK |
| **Predicted MW:** | 31.1 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_077753 |
| **Locus ID:** | 66902 |
| **UniProt ID:** | Q9CQ65 |

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|---|---|
| **RefSeq Size:** | 2558 |
| **Cytogenetics:** | 4 C4 |
| **RefSeq ORF:** | 852 |
| **Synonyms:** | 1300019I21Rik; MSAP |
| **Summary:** | Catalyzes the reversible phosphorylation of S-methyl-5'-thioadenosine (MTA) to adenine and 5-methylthioribose-1-phosphate. Involved in the breakdown of MTA, a major by-product of polyamine biosynthesis. Responsible for the first step in the methionine salvage pathway after MTA has been generated from S-adenosylmethionine. Has broad substrate specificity with 6-aminopurine nucleosides as preferred substrates.[UniProtKB/Swiss-Prot Function] |