

Product datasheet for **TP502963**

Tpmt (NM_016785) Mouse Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Mouse thiopurine methyltransferase (Tpmt), with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug
Species:	Mouse
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>MR202963 protein sequence Red =Cloning site Green =Tags(s)

MSLDMKEHPDAEVQKNQVLTLEDWKEKWVTRHISFHQEQGHQLLKKHLDTFLKQGSGLRVFFPLCGKAIE
MKWFADRGHTVVGVEISEIGIREFFAEQNLSTEEPLAEIAGAKVFKSSSGSISLYCCSIFDLPRANIGK
FDRIWDRGALVAINPGDHDYADIILSLLRKEFQYLVAVLSYDPTKHAGPPFYVPSAELKRLFGTKCSMQ
CLEEVDALERHKAWGLDYLFEKLYLLTEK

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag:	C-MYC/DDK
Predicted MW:	27.6 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_058065
Locus ID:	22017
UniProt ID:	Q55060 , A0A0R4J018
RefSeq Size:	2715



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Cytogenetics: 13 24.5 cM

RefSeq ORF: 723

Synonyms: AW106912

Summary: Catalyzes the S-methylation of thiopurine drugs such as 6-mercaptopurine (also called mercaptopurine, 6-MP or its brand name Purinethol) using S-adenosyl-L-methionine as the methyl donor (PubMed:18484748). TPMT activity modulates the cytotoxic effects of thiopurine prodrugs. A natural substrate for this enzyme has yet to be identified.[UniProtKB/Swiss-Prot Function]