

Product datasheet for **TP501378**

Nudt3 (NM_019837) Mouse Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Mouse nudix (nucleotide diphosphate linked moiety X)-type motif 3 (Nudt3), with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug
Species:	Mouse
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>MR201378 protein sequence Red =Cloning site Green =Tags(s)
	 MMKLKSNQTRTYDGDGYKKRAACLFRSESEEEVLLVSSSRHPDRWIVPGGGMEPEEEPSVAAVREVCEE AGVKGTLGRLVGIFENQERKHRTYVYVLIVTEVLEDWEDSVNIGRKREWFKIEDAIKVLQCHKPVQASYF ETLRQGYPANNGTPVVPPTYSSSVSGIR TRTRPLEQKLISEEDLAANDILDYKDDDDKV
Tag:	C-MYC/DDK
Predicted MW:	19 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:	<u>NP_062811</u>
Locus ID:	56409
UniProt ID:	<u>Q9J146</u>
RefSeq Size:	2171
Cytogenetics:	17 A3.3



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RefSeq ORF: 507

Synonyms: 1110011B09Rik; AA960325; Dipp; Dipp1

Summary: Cleaves a beta-phosphate from the diphosphate groups in PP-InsP5 (diphosphoinositol pentakisphosphate) and [PP]2-InsP4 (bisdiphosphoinositol tetrakisphosphate), suggesting that it may play a role in signal transduction. InsP6 (inositol hexakisphosphate) is not a substrate. Also able to catalyze the hydrolysis of dinucleoside oligophosphates, with Ap6A and Ap5A being the preferred substrates. The major reaction products are ADP and p4a from Ap6A and ADP and ATP from Ap5A. Also able to hydrolyze 5-phosphoribose 1-diphosphate (By similarity). Acts as a negative regulator of the ERK1/2 pathway.[UniProtKB/Swiss-Prot Function]