

Product datasheet for TP501593

Nudt4 (NM_027722) Mouse Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Mouse nudix (nucleoside diphosphate linked moiety X)-type motif 4 (Nudt4), with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug
Species:	Mouse
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>MR201593 protein sequence Red =Cloning site Green =Tags(s)
	MKFKPNQTRTYDREGFKKRAACLFRSEQEDEVLLVSSSRYPDQWIVPGGGMEPEEPPGGAAVREYEEA GVKGLGRLLGIFENQDRKHRTYVYVLTVTEILEDWEDSVNIGRKREWFKVEDAIKVLQCHKPVHAEYLE KLKLGCSPTNGNSSVPSLPDNNALFVTAAPPSGVPSSIR
	TR TRPLEQKLISEEDLAANDILDYKDDDDKV
Tag:	C-MYC/DDK
Predicted MW:	20.2 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_081998</u>
Locus ID:	71207
UniProt ID:	<u>Q8R2U6</u>
RefSeq Size:	3231
Cytogenetics:	10 C2



[View online »](#)

RefSeq ORF: 540

Synonyms: 4933436C10Rik; DIPP2; DIPP2alpha; DIPP2beta; HDCMB47P

Summary: Cleaves a beta-phosphate from the diphosphate groups in PP-InsP5 (diphosphoinositol pentakisphosphate), PP-InsP4 and [PP]2-InsP4 (bisdiphosphoinositol tetrakisphosphate), suggesting that it may play a role in signal transduction. Also able to catalyze the hydrolysis of dinucleoside oligophosphate Ap6A, but not Ap5A. The major reaction products are ADP and p4a from Ap6A. Also able to hydrolyze 5-phosphoribose 1-diphosphate (By similarity). Does not play a role in U8 snoRNA decapping activity. Binds U8 snoRNA.[UniProtKB/Swiss-Prot Function]