

Product datasheet for **TP503089**

Nudt18 (BC036718) Mouse Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Mouse nudix (nucleoside diphosphate linked moiety X)-type motif 18 (cDNA clone MGC:38179 IMAGE:5322150), complete cds, with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug
Species:	Mouse
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>MR203089 protein sequence Red =Cloning site Green =Tags(s)
	MEPGETIVEAMQREVKEEAGLLCEPVTLLSVEERGASWIRFVFLARPTGGVLKTSKDADESLSQAGWYPR VSLPTPLRAHDVHLHVELGAKFCQQAMHPLILPQELPCSVVCQRLVTTFTTVQSVWVLVGTGTPHLPIT ACGFTPMEQRGGIKVAILRLLQECLTLHSLAVETKGLLGLQHLGRDHVDGVCLNVLVTVAFRNPGIQDEP PKIRGENYFWWKVLEEDLQKLLLYRLQESSVIPLSR
	TR TRPLEQKLISEEDLAANDILDYKDDDDKV
Tag:	C-MYC/DDK
Predicted MW:	27.4 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.
Locus ID:	213484
UniProt ID:	<u>Q3U2V3</u>
RefSeq Size:	1630



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Cytogenetics: 14 D2

RefSeq ORF: 738

Synonyms: MGC38179

Summary: Mediates the hydrolysis of oxidized nucleoside diphosphate derivatives. Hydrolyzes 8-oxo-7,8-dihydroguanine (8-oxo-Gua)-containing deoxyribo- and ribonucleoside diphosphates to the monophosphates. Hydrolyzes 8-oxo-dGDP and 8-oxo-GDP with the same efficiencies. Hydrolyzes also 8-OH-dADP and 2-OH-dADP. Exhibited no or minimal hydrolysis activity against 8-oxo-dGTP, 8-oxo-GTP, dGTP, GTP, dGDP and GDP. Probably removes oxidized guanine nucleotides from both the DNA and RNA precursor pools (By similarity).
[UniProtKB/Swiss-Prot Function]