

Product datasheet for TP501990

Itpa (NM_025922) Mouse Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Mouse inosine triphosphatase (nucleoside triphosphate pyrophosphatase) (Itpa), with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug
Species:	Mouse
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>MR201990 protein sequence Red =Cloning site Green =Tags(s)
	MAASLVGKKIVFTGNACKLEEVIQILGDNFPCTLEAQKIDLPEYQGEPDEISIQKCREAARQVQGPVLV EDTCLCFNALGGLPGPIYIKWFLQKLKPEGLHQLLAGFEDKSAYALCTFALSTGDPSQPVLLFRGQTSGQI VMPRGSRDFGWDFCFQPDGYEQTYAEMPKSEKNTISHRFRALHKLQEYFVAAGAGDH
	TR TRPLEQKLISEEDLAANDILDYKDDDDKV
Tag:	C-MYC/DDK
Predicted MW:	21.9 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_080198
Locus ID:	16434
UniProt ID:	Q9D892 , Q60I30
RefSeq Size:	1264
Cytogenetics:	2 63.24 cM



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RefSeq ORF: 597

Synonyms: 2010016I08Rik; AU020102; Itp

Summary: Pyrophosphatase that hydrolyzes the non-canonical purine nucleotides inosine triphosphate (ITP), deoxyinosine triphosphate (dITP) as well as 2'-deoxy-N-6-hydroxylaminopurine triphosphate (dHATP) and xanthosine 5'-triphosphate (XTP) to their respective monophosphate derivatives. The enzyme does not distinguish between the deoxy- and ribose forms. Probably excludes non-canonical purines from RNA and DNA precursor pools, thus preventing their incorporation into RNA and DNA and avoiding chromosomal lesions. [UniProtKB/Swiss-Prot Function]