

Product datasheet for **TP500976**

Pla2g2a (NM_001082531) Mouse Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Mouse phospholipase A2, group IIA (platelets, synovial fluid) (Pla2g2a), transcript variant 1, coding, with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug
Species:	Mouse
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>MR200976 protein sequence Red =Cloning site Green =Tags(s)
	 MKVLLLLAASIMAFGSIQVQGNIAQFGEMIRLKTGKRAELSYAFYGCHCGLGGKGGSPKDATDRCCVTHDC CYKSLEKSGCGTKLLKYKSHQGGQITCSANQNSCQKRLCQCDKAAAECFARNKKTYSCLKYQFYPNMFCK GKKPKC TRTRPLEQKLISEEDLAANDILDYKDDDDKV
Tag:	C-MYC/DDK
Predicted MW:	16.1 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_001076000
Locus ID:	18780
UniProt ID:	P31482 , V5TDK8
RefSeq Size:	793



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Cytogenetics: 4 70.57 cM

RefSeq ORF: 441

Synonyms: EF; Mom1; Pla2; sPLA2; sPla2-IIA

Summary: Proteins belonging to the phospholipase A2 (PLA2) family hydrolyze phospholipids into sn2 fatty acids and lysophospholipids. They function in a variety of cellular processes, including the digestion of phospholipids and the production of molecules that induce inflammatory responses. This gene encodes a member of the group II class of secretory PLA2s. The secreted enzyme binds to heparin on the cell surface. Mutations in this gene increase the occurrence of intestinal polyps caused by a dominant mutation in the adenomatosis polyposis coli gene. A frameshift inactivates this gene product in some mouse strains including the strain of the reference genome, C57BL/6J, whereas a functional protein is produced in other strains. [provided by RefSeq, Jul 2008]