

Product datasheet for TP518100

Pla2g2f (NM_012045) Mouse Recombinant Protein

Product data:

Product Type: Recombinant Proteins
Description: Purified recombinant protein of Mouse phospholipase A2, group IIF (Pla2g2f), with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug

Species: Mouse

Expression Host: HEK293T

Expression cDNA Clone or AA Sequence: >MR218100 protein sequence
Red=Cloning site Green=Tags(s)

MADGAQANPKGFRKKALVKHSTGRKSPSLRASPSKTSRSSLGMKKFFAIAVLAGSVVTTAHSSLLNLKSM
 VEATHRNSILSFVGYGICYCGLGGRGHPMDEVDCCHAHDCCYEKLFEGCRPYVDHYDHRIENGTMIVC
 TELNETECDKQTCCECDKSLTLCLKDHPYRNKYRGYFNVCQGPTPNCSIYDPYPPEEVTTCGHGLPATPVST

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag: C-MYC/DDK

Predicted MW: 23.3 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_036175](#)

Locus ID: 26971

UniProt ID: [Q9QZT4](#)

RefSeq Size: 2437

Cytogenetics: 4 D3



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RefSeq ORF: 633

Synonyms: GIIFsPLA2; sPLA2-IIF

Summary: May play a role in lipid mediator production in inflammatory conditions, by providing arachidonic acid to downstream cyclooxygenases and lipoxygenases. Phospholipase A2, which catalyzes the calcium-dependent hydrolysis of the 2-acyl groups in 3-sn-phosphoglycerides (PubMed:10531313). Hydrolyzes phosphatidylethanolamine more efficiently than phosphatidylcholine, with only a modest preference for arachidonic acid versus linoleic acid at the sn-2 position. Comparable activity toward 1-palmitoyl-2-oleoyl-phosphatidylserine vesicles to that toward 1-palmitoyl-2-oleoyl-phosphatidylglycerol (PubMed:11877435). Prefers phosphatidylglycerol compared to phosphatidylcholine (PubMed:10531313).[UniProtKB/Swiss-Prot Function]