

## Product datasheet for TP511903

### Plcg1 (NM\_021280) Mouse Recombinant Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Mouse phospholipase C, gamma 1 (Plcg1), with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug
Species:	Mouse
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>MR211903 representing NM_021280 Red=Cloning site Green=Tags(s)

MAGVATPCANGCGPGAPSEAEVLHLCRSLEVGTVMTLFYSKKSQRPERKTFQVKLETRQITWSRGADKIE  
 GSIDIREIKEIRPGKTSRDFDRYQEDPAFRPDQSHCFVILYGMFRLKTLSQLATSEDEVNMWIKLTLWL  
 MEDTLQAATPLQIERWLRKQFYSDRNREDRISAKDLKNMLSQVNYRVPNMRFLRERLTDLEQRSGDITY  
 GQFAQLYRSLMYSAQKTMDLPFLETNALRTGERPEHCQVSLSEFQQFLLEYQGELWAVDRLQVQEFMLSF  
 LRDPLREIEEPYFFLDELVTFLFSKENS VWNSQLDAVCPDTMNNPLSHYWISSSHNTYLTGDQFSSSSL  
 EAYARCLRMGCRCIELDCWDGPDGMPVIYHGHTLTTKIKFSDVLHTIKEHAFVASEYPVILSIEDHCSIA  
 QQRNMAQHFRKVLGDTLLTKPVDIAADGLPSNQLRRKILIKHKKLAEGSAYEEVPTSMYSENDISNSI  
 KNGILYLEDPVNHWEWYPHYFVLTSSKIYSEETSSDQGNEDDEEPEKASSSTELHSSEKWFHKGKLGAGR  
 GRHIAERLLTEYCIETGAPDGSFLVRESETFVGDYTLFSWRNGKVQHCRHSRQDAGTPKFFLTDNLVFD  
 SLYDLITHYQQVPLRCNEFEMRLSEPVPQTNAHESKEWYHASLTRAQAEHMLMRVPRDGAFLVRKRNEPN  
 SYAISFRAEGKIKHCRVQQEGQTVMLGNSEFDSLVDLISYEEKHPLYRKMKLRYPINEEAELEKIGTAEPD  
 YGALYEGRNPGFYVEANPMPTFKCAVKALFDYKAQREDELFTKSAIQNVEKQDGGWWRGDYGGKKQLW  
 FPSNYVEEMINPAVLEPEREHLDENSPGLDRLRGVLDVPACQIAIRPEGKNNRLFVFSISMPSVAQWSLD  
 VAADSQEELQDWVKKIREVAQTADARLTEGKMMERRKIALESELVYCRPVPFDEEKIGTERACYRDM  
 SSFPETKAEKYVNAKAGKKFLQYNRLQLSRIYKQRLDSSNYDPLPMWICGSQVALNFQTPDKPMQMN  
 QALFMAGGHCGYVLQPSTMRDEAFDPFKSSRLGLEPCVICIEVLGARHLPKNGRGIVCFVIEVAGAE  
 YDSTKQKTEFVDNGLNPVWPAKPFHFQISNPEFAFLRFVYEEEDMFSDQNFLAQTATFPVKGLKTYRAV  
 PLKNNYSEDLLEASLLIKIDIFPAKENGDLSPFSGISLRERASDASSQLFHVREAREGSFEARYQQPFEDF  
 RISQEHLADHFDSRERSTSDGPSSATNLIEDPLHDKLWKCSL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag:	C-MYC/DDK
Predicted MW:	150.1 kDa



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<b>Concentration:</b>	>0.05 µg/µL as determined by microplate BCA method
<b>Purity:</b>	> 80% as determined by SDS-PAGE and Coomassie blue staining
<b>Buffer:</b>	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
<b>Note:</b>	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
<b>Storage:</b>	Store at -80°C after receiving vials.
<b>Stability:</b>	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
<b>RefSeq:</b>	<a href="#">NP_067255</a>
<b>Locus ID:</b>	18803
<b>UniProt ID:</b>	<a href="#">Q62077</a>
<b>RefSeq Size:</b>	4435
<b>Cytogenetics:</b>	2 80.97 cM
<b>RefSeq ORF:</b>	3906
<b>Synonyms:</b>	AI894140; Cded; Plc-1; Plc-gamma1; Plcg-1
<b>Summary:</b>	Mediates the production of the second messenger molecules diacylglycerol (DAG) and inositol 1,4,5-trisphosphate (IP3). Plays an important role in the regulation of intracellular signaling cascades. Becomes activated in response to ligand-mediated activation of receptor-type tyrosine kinases, such as PDGFRA, PDGFRB, FGFR1, FGFR2, FGFR3 and FGFR4. Plays a role in actin reorganization and cell migration.[UniProtKB/Swiss-Prot Function]