

## Product datasheet for **TP518818**

### **Plce1 (NM\_019588) Mouse Recombinant Protein**

#### **Product data:**

**Product Type:** Recombinant Proteins

**Description:** Purified recombinant protein of Mouse phospholipase C, epsilon 1 (Plce1), with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug

**Species:** Mouse

**Expression Host:** HEK293T



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**Expression cDNA** >MR218818 representing NM\_019588  
**Clone or AA** Red=Cloning site Green=Tags(s)  
**Sequence:**

MTSEEMAASVLIPVTQRKVASAQVAEERSVKVSDAGIPRARAGRQGALIPPTISQWNKHKEESSRSDLS  
KVFSIARGELVCDENSNEEGWEENAPDSPENHAMNGNSLVQSHQHQPFRSQLCEARDSVTEDPCLQPGIP  
SPLERKVLPGIQLEMEDSPMDVSPAGSQPRIMESSGPHSDRNTAVFHFHYEADRTMSDAFHTLSENILID  
DCANCVTLPGGQQNKNCMAYACKLVELTRTCGSKNGQVQCEHCTSLRDEYLCFESSCSKADEVCSGGGFC  
EDGFAHGPAAKTFLNPLEDFSDNCEDVDDFFKSKKERSTLLVRRFCKNDREVKKSVYTGTRAIMRTLPSG  
CIGPAAWNYVDQKKAGLLWPCGNVMGTLSAMDIRQSGSQRLEAQWCLIYSAVRRGEEIEDTVGSLHCS  
TQLPNSETAHGRIEDGPCLKQCVRDTECEFRATLQRTSIAQYITGSLEATTSLGARSGLLSSFGGSTGR  
IMLKERQLGTSMANSNPVPSSSAGISKEIDLQPLIQFPEEVASILTEQEQNIYRRVLPMDYLCFLTRDL  
SSPECQRSLPRLKASISESILTSQSGEHNALEDLVMRFNEVSSWVTWLILTAGSMEEKREVFYSYLVHVAK  
CCWNMGNYNAVMEFLAGLRSRKLKMWQFMDQSDIETMRSLKDAMAQHESSEYKVVTRALHIPGCKV  
PFCGVFLKELCEVLDGASGLLKLCPRYSSQEEALEFVADYSGQDNFLQRVGQNGLNSEKELTVNSIFQV  
IRSCSRSEMEEEDSASEGSGSRKNSLKDARWQFIIGDLLDSENDIFEKSKCEDPHGSEESQKAFDHGT  
ELIPWYVLSIQADVHQFLLQGATVIHYDQDTHLSARCFLLQPDNSTLTWMKPPTASPAGARPKLGVLSN  
MAEPGKFPSPGNAGVSGLAEGILDLSVKAVYMGHPGIDIHTVCVQNKLSMMLSETGVTLTYGLQTTDN  
RLLHFVAPKHTAEMLFSGLLELTTAVRKIRRFDPQRQQWLRKQYVSLYQEDGRYEGPTLAHAVELFGRR  
WSTRNPSPGMSAKNAEKNMQRNNTLGISTTKKKKKMLMRGESGEVTDDEMATRKAKMYRECRSRSGSDP  
QDVNEQEESSEANVITNPPNPLHSRRAYSLLTAGSPNLTGMSSPISAWSSSSWHGIRGGMQGFQSFMV  
DSNMSFVEFVELFKSFSIRSRLKDLKDFDIYSVPCNRSASESAPLYTNLTIEENTSDLQPDLLTRNVS  
DLGLFIKSKQQLSDNQRQISDAIAAASIVTNGTGIESTSLGIFGVGILQLNDFLVNQCQGEHCTYDEILSI  
IQKFEPVSMCHQGLLSFEGFARFLMDKDNFASKNDESRENKELQLPLSYYYIESSHNTYLTGHQLKGE  
SSVELYSQVLLQGCRSIELDCWDGDDGMPIYHGHHTLTKIPFKEVVEAIDRSFITSDDLPIIISIENHC  
SLPQQRKMAEIFKSVFGEKLVAKFLFETDFSDDPMLPSPDQLRRKVLKKNKKAHQTPVDILKQKAHQ  
ASMQAQFTGGNANPPPASNEEEDEEYDYDYESLSDNILEDRPENKSCADKLQFEYNEEVPKRIKK  
ADNSSGNKGKVDYDMELGEEFYLPQNKKESRQIAPELSDLVYICQAVKFPGLSTLNSSGSSRGKERKSRKS  
IFGNPNPGRMSPGETAPFNRTSGKGSCEGMRHTWEESPLSPSTLSAIRTPKCYHISLNLNAAKRLCR  
RGSQKLIQHTAYQLLRTPAATRIDSNNPIMFWLHGIQLVALNYQTDDLPLHLNAAMFEANGGCGYVL  
KPPVLWDKSCPMYQKFSPLERDLNLDPAIYSLTIISGQNVCPNSNTGSPCIEVDVLMPLDSCHFRTKP  
IHRNTLNPMWNEQFLFRVHFEDLVFLRFVAVENNSSAITAQRIIPLRALKRGYRHLQLRNLHNEILEISS  
LFINSRRMEENPSGSSMPASLMFNTEERKCSQTHKVTVHGVPPEPFAVFTINEGKAKQLLQVLAVDQ  
DTKCTATDYFLMEEKHFISKEKNECRKQPFQRAVGPEEDIVQILNSWFPEEGYVGRIVLKPQQTLEEKS  
IVFDDKEVILSSEEEFFVQVHDVSPEQPRTVIKAPRVSTAQDVIQQLCKAKYSYSILNNPNPCDYVLL  
EEVLKDAANKSSTPKSSQRILLDQECVFQAQSKWKGAGKFKLKEQVQASREDKRRGISFASLKKLT  
KSTKQSRGLPSPQLVASESVQSKEEKPVGALSSSDTVGYQQ

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Tag:** C-MYC/DDK  
**Predicted MW:** 255 kDa  
**Concentration:** >0.05 µg/µL as determined by microplate BCA method  
**Purity:** > 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_062534</a>
<b>Locus ID:</b>	74055
<b>UniProt ID:</b>	<a href="#">Q8K4S1</a>
<b>RefSeq Size:</b>	9525
<b>Cytogenetics:</b>	19 C3
<b>RefSeq ORF:</b>	6846
<b>Synonyms:</b>	4933403A21Rik; mKIAA1516; Plce; PLCepsilon
<b>Summary:</b>	The production of the second messenger molecules diacylglycerol (DAG) and inositol 1,4,5-trisphosphate (IP3) is mediated by activated phosphatidylinositol-specific phospholipase C enzymes. PLCE1 is a bifunctional enzyme which also regulates small GTPases of the Ras superfamily through its Ras guanine-exchange factor (RasGEF) activity. As an effector of heterotrimeric and small G-protein, it may play a role in cell survival, cell growth, actin organization and T-cell activation.[UniProtKB/Swiss-Prot Function]