



Recombinant Human Cytosolic phospholipase A2 gamma (PLA2G4C)

Product Code	CSB-MP892485HU
Abbreviation	PLA2G4C
Storage	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.
Uniprot No.	Q9UP65
Product Type	Recombinant Protein
Immunogen Species	Homo sapiens (Human)
Purity	>85% (SDS-PAGE)
Sequence	MGSSEVSIIP GLQKEEKAAV ERRRLHVLKA LKKLRIEADE APVVAVLGSG GGLRAHIACL GVLSEMKEQG LLDVAVTYLAG VSGSTWAISS LYTNDDGMEA LEADLKHRFT RQEWDLAKSL QKTIQAARSE NYSLTDFWAY MVISKQTREL PESHLSNMKK PVEEGTLPYP IFAAIDNDLQ PSWQEARAPE TWFEFTPHHA GFSALGAFVS ITHFGSKFKK GRLVRTHPER DLTFRLGLWG SALGNTEVIR EYIFDQLRNL TLKGLWRRRAV ANAKSIGHLI FARLLRLQES SQGEHPPPED EGGEPEHTWL TEMLENWTRT SLEKQEQPHE DPERKGSLSN LMDFVKKTGI CASKWEWGTT HNFLYKHGGI RDKIMSSRKH LHLVDAGLAI NTPFPLVLPP TREVHLILSF DFSAGDPFET IRATTDYCRR HKIPFPQVEE AELDLWSKAP ASCYILKGET GPVVMHFPLF NIDACGGDIE AWSDTYDTFK LADTYTLDVV VLLLALAKKN VRENKKKILR ELMNVAGLYY PKDSARSC
Source	Mammalian cell
Target Names	PLA2G4C
Protein Names	Recommended name: Cytosolic phospholipase A2 gamma Short name= cPLA2-gamma EC= 3.1.1.4 Alternative name(s): Phospholipase A2 group IVC
Expression Region	1-538
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	Tag type will be determined during the manufacturing process.
Protein Length	full length protein
Target Details	This gene encodes a protein which is a member of the phospholipase A2 enzyme family which hydrolyzes glycerophospholipids to produce free fatty acids and lysophospholipids, both of which serve as precursors in the production of signaling molecules. The encoded protein has been shown to be a calcium-independent and membrane bound enzyme. Multiple transcript variants encoding different isoforms have been found for this gene.

**Reconstitution**

We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.

Shelf Life

The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.