



# Recombinant Human Cytosolic phospholipase A2 beta (PLA2G4B)

<b>Product Code</b>	CSB-BP018098HU
<b>Storage</b>	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
<b>Uniprot No.</b>	P0C869
<b>Product Type</b>	Recombinant Protein
<b>Immunogen Species</b>	Homo sapiens (Human)
<b>Purity</b>	>85% (SDS-PAGE)
<b>Sequence</b>	<p>MAVAEVSRTC LLTVRVLQAH RLPSKDLVTP SDCYVTLWLP TACSHRLQTR  TVKNSSSPVW NQSFHFRIHR QLKNVMEKV FDQDLVTGDD PVLSVLFDA  TLRAGEFRRE SFSLSPQGEG RLEVEFRLQS LADRGWLVLS NGVLVARELS  CLHVQLEETG DQKSSEHRVQ LVVPGSCEGP QEASVGTGTF  RFHCPACWEQ ELSIRLQDAP EEQLKAPLSA LPSGQVVRLV FPTSQEPLMR  VELKKEAGLR ELAVRLGFGP CAEEQAFSLR RKQVVAALR QALQLDGD  EDEIPVVAIM ATGGGIRAMT SLYGQLAGLK ELGLLDCVSY ITGASGSTWA  LANLYEDPEW SQKDLAGPTE LLKTQVTKNK LGVLAPSQLQ RYRQELAERA  RLGYPSCFN LWALINEALL HDEPHDHKLS DQREALSHGQ NPLPIYCALN  TKGQSLTTFE FGEWCEFSKY EVGFPKYGAF IPSEFGSEF FMGQLMKRPL  ESRICFLEGI WSNLYAANLQ DSLYWASEPS QFWRWVRNQ ANLDKEQVPL  LKIEEPPSTA GRIAEFFTDL LWRPLAQAT HNFLRGLHFH KDYFQHPHFS  TWKATTL DGL PNQLTPSEPH LCLLDVGYLI NTSCPLLLQP TRDVLILSL  DYNLHGAFQQ LQLLGRFCQE QGIPFPPI SP SPEEQLQPRE CHTFSDPTCP  GAPAVLHFPL VSDFSREYSA PGVRRTPPEA AAGEVNLSSS DSPYHYTKVT  YSQEDVDKLL HLTHYNVCNN QEQLLEALRQ AVQRRRQRRP H</p>
<b>Source</b>	Baculovirus
<b>Target Names</b>	PLA2G4B
<b>Protein Names</b>	Recommended name: Cytosolic phospholipase A2 beta Short name= cPLA2-beta EC= 3.1.1.4 Alternative name(s): Phospholipase A2 group IVB
<b>Expression Region</b>	1-781
<b>Notes</b>	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
<b>Tag Info</b>	Tag type will be determined during the manufacturing process.
<b>Protein Length</b>	Full length protein
<b>Target Details</b>	This gene encodes a member of the cytosolic phospholipase A2 protein family. Phospholipase A2 enzymes hydrolyze the sn-2 bond of phospholipids, releasing lysophospholipids and fatty acids. This enzyme may be associated with mitochondria and early endosomes. Most tissues also express read-through transcripts from the upstream gene into this gene, some of which may encode fusion proteins combining the N-terminus of the upstream gene including its JmjC domain with the almost complete coding region of this gene, including the



C2 and cytoplasmic phospholipase A2 domains.

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**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.

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**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.