



Recombinant Human Cytosolic phospholipase A2 beta (PLA2G4B)

Product Code	CSB-EP018098HU-B
Storage	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
Uniprot No.	P0C869
Product Type	Recombinant Protein
Immunogen Species	Homo sapiens (Human)
Purity	>85% (SDS-PAGE)
Sequence	<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>
Source	E.coli
Target Names	PLA2G4B
Protein Names	Recommended name: Cytosolic phospholipase A2 beta Short name= cPLA2-beta EC= 3.1.1.4 Alternative name(s): Phospholipase A2 group IVB
Expression Region	1-781
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 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.

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.