

**PLA2G4D Blocking Peptide (C-Term)**  
**Synthetic peptide**  
**Catalog # BP21807b****Specification**

---

**PLA2G4D Blocking Peptide (C-Term) - Product Information**Primary Accession [Q86XP0](#)**PLA2G4D Blocking Peptide (C-Term) - Additional Information****Gene ID** 283748**Other Names**

Cytosolic phospholipase A2 delta, cPLA2-delta, Phospholipase A2 group IVD, PLA2G4D

**Target/Specificity**

The synthetic peptide sequence is selected from aa 774-786 of HUMAN PLA2G4D

**Format**

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

**Storage**

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

**Precautions**

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

**PLA2G4D Blocking Peptide (C-Term) - Protein Information****Name** PLA2G4D ([HGNC:30038](#))**Function**

Calcium-dependent phospholipase A2 that selectively hydrolyzes glycerophospholipids in the sn-2 position (PubMed:&lt;a href="http://www.uniprot.org/citations/14709560" target="\_blank"&gt;14709560&lt;/a&gt;). Has a preference for linoleic acid at the sn-2 position (PubMed:&lt;a href="http://www.uniprot.org/citations/14709560" target="\_blank"&gt;14709560&lt;/a&gt;).

**Cellular Location**

Cytoplasm, cytosol {ECO:0000250|UniProtKB:Q50L43}. Membrane {ECO:0000250|UniProtKB:Q50L43}; Peripheral membrane protein {ECO:0000250|UniProtKB:Q50L43}; Cytoplasmic side {ECO:0000250|UniProtKB:Q50L43}. Note=Translocates to perinuclear membranes that may correspond to endoplasmic reticulum or Golgi in a calcium-dependent fashion. {ECO:0000250|UniProtKB:Q50L43}

**Tissue Location**

Expressed in stratified squamous epithelia, such as those in skin and cervix, but not in other tissues (PubMed:14709560) Strongly expressed in the upper spinous layer of the psoriatic

epidermis, expressed weakly and discontinuously in atopic dermatitis and mycosis fungoides, and not detected in the epidermis of normal skin (PubMed:14709560).

### **PLA2G4D Blocking Peptide (C-Term) - Protocols**

Provided below are standard protocols that you may find useful for product applications.

- [Blocking Peptides](#)

### **PLA2G4D Blocking Peptide (C-Term) - Images**

### **PLA2G4D Blocking Peptide (C-Term) - Background**

Calcium-dependent phospholipase A2 that selectively hydrolyzes glycerophospholipids in the sn-2 position. Not arachidonic acid-specific but has linoleic acid-specific activity. May play a role in inflammation in psoriatic lesions.

### **PLA2G4D Blocking Peptide (C-Term) - References**

Chiba H.,et al.J. Biol. Chem. 279:12890-12897(2004).

Zody M.C.,et al.Nature 440:671-675(2006).

Tao R.,et al.Prostaglandins Leukot. Essent. Fatty Acids 73:419-422(2005).