



Recombinant Human Group XV phospholipase A2 (PLA2G15)

Product Code	CSB-EP818760HU-B
Abbreviation	PLA2G15
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.	Q8NCC3
Product Type	Recombinant Protein
Immunogen Species	Homo sapiens (Human)
Purity	>85% (SDS-PAGE)
Sequence	AGRHPPV VLVPGDLGNQ LEAKLDKPTV VHYLCSKTE SYFTIWLNLE LLLPIIDCW IDNIRLVYNK TSRATQFPDG VDVRVPGFGK TFSLEFLDPS KSSVGSYFHT MVESLVGWGY TRGEDVRGAP YDWRRAPNEN GPYFLALREM IEEMYQLYGG PVVLVAHSMG NMYTLYFLQR QPQAWKDKYI RAFVSLGAPW GGVAKTLRVL ASGDNNRIPV IGPLKIREQQ RSAVSTSWLL PYYNTWSPEK VVQPTPTINY TLRDYRKFFQ DIGFEDGWLM RQDTEGLVEA TMPPGVQLHC LYGTGVPTPD SFYYESFPDR DPKICFGDGD GTVNLKSALQ CQAWQSRQEH QVLLQELPGS EHIEMLANAT TLAYLKRVL GP
Source	E.coli
Target Names	PLA2G15
Protein Names	Recommended name: Group XV phospholipase A2 EC= 2.3.1.- Alternative name(s): 1-O-acylceramide synthase Short name= ACS LCAT-like lysophospholipase Short name= LLPL Lysophospholipase 3 Lysosomal phospholipase A2
Expression Region	34-412
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 of Mature Protein
Target Details	Lysophospholipases are enzymes that act on biological membranes to regulate the multifunctional lysophospholipids. This protein hydrolyzes lysophosphatidylcholine to glycerophosphorylcholine and a free fatty acid. This enzyme is present in the plasma and thought to be associated with high-density lipoprotein. A later paper contradicts the function of this gene. It demonstrates that this gene encodes a lysosomal enzyme instead of a lysophospholipase and has both calcium-independent phospholipase A2 and transacylase activities.

**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

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