



# Recombinant Human Calcium-dependent phospholipase A2 (PLA2G5)

<b>Product Code</b>	CSB-EP018103HU-B
<b>Storage</b>	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
<b>Uniprot No.</b>	P39877
<b>Product Type</b>	Recombinant Protein
<b>Immunogen Species</b>	Homo sapiens (Human)
<b>Purity</b>	>85% (SDS-PAGE)
<b>Sequence</b>	GLLDLKSMIE KVTGKNALTN YGFYGCYCGW GGRGTPKDGT DWCCWAHDHC YGRLEEKGCN IRTQSYKYRF AWGVVTCEPG PFCHVNLAC DRKLVYCLKR NLRSPNPQYQ YFPNILCS
<b>Source</b>	E.coli
<b>Target Names</b>	PLA2G5
<b>Protein Names</b>	Recommended name: Calcium-dependent phospholipase A2 EC= 3.1.1.4 Alternative name(s): Group V phospholipase A2 PLA2-10 Phosphatidylcholine 2-acylhydrolase 5
<b>Expression Region</b>	21-138
<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 of Mature Protein
<b>Target Details</b>	This gene is a member of the secretory phospholipase A2 family. It is located in a tightly-linked cluster of secretory phospholipase A2 genes on chromosome 1. The encoded enzyme catalyzes the hydrolysis of membrane phospholipids to generate lysophospholipids and free fatty acids including arachidonic acid. It preferentially hydrolyzes linoleoyl-containing phosphatidylcholine substrates. Secretion of this enzyme is thought to induce inflammatory responses in neighboring cells. Alternatively spliced transcript variants have been found, but their full-length nature has not been determined.
<b>Reconstitution</b>	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.
<b>Shelf Life</b>	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.