Recombinant Mouse Calcium-dependent phospholipase A2 (Pla2g5)

Product Code	CSB-YP018103MO
Storage	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
Uniprot No.	P97391
Product Type	Recombinant Protein
Immunogen Species	Mus musculus (Mouse)
Purity	>85% (SDS-PAGE)
Sequence	GLLELKSMIE KVTGKNAFKN YGFYGCYCGW GGRGTPKDGT DWCCQMHDRC YGQLEEKDCA IRTQSYDYRY TNGLVICEHD SFCPMRLCAC DRKLVYCLRR NLWTYNPLYQ YYPNFLC
Source	Yeast
Target Names	Pla2g5
Protein Names	Recommended name: Calcium-dependent phospholipase A2 EC= 3.1.1.4 Alternative name(s): Group V phospholipase A2 PLA2-10 Phosphatidylcholine 2-acylhydrolase 5
Expression Region	21-137
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	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.
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.