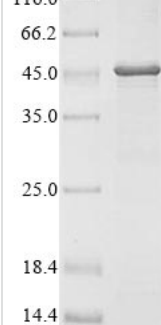
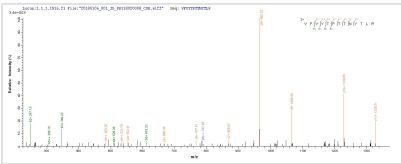
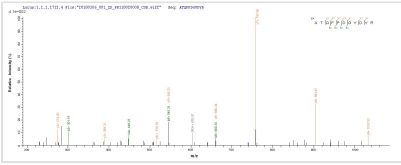




Recombinant Mouse Group XV phospholipase A2 (Pla2g15)

Product Code	CSB-EP840854MO
Relevance	Has transacylase and calcium-independent phospholipase A2 activity. Catalyzes the formation of 1-O-acyl-N-acetylsphingosine and the concomitant release of a lyso-phospholipid. Has high activity with 1-palmitoyl-2-oleoyl-sn-glycero-3-phosphocholine (POPC) and 1,2-dioleoyl-sn-glycero-3-phosphocholine (DOPC), catalyzing the transfer of oleic acid to N-acetyl-sphingosine. Required for normal phospholipid degradation in alveolar and peritoneal macrophages and in spleen
Abbreviation	Recombinant Mouse Pla2g15 protein
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.	Q8VEB4
Product Type	Recombinant Protein
Immunogen Species	Mus musculus (Mouse)
Purity	Greater than 85% as determined by SDS-PAGE.
Sequence	AQRHPPVVLVPGDLGNQLEAKLDKPKVVHYLCSKKTDSYFTLWLNLELLLPVII DCWIDNIRLVYNRTSRATQFPDGVDRVPGFGETFSMEFLDPSKRNVGSYFY TMVESLVGWGYTRGEDVRGAPYDWRRAPNENGPYFLALREMIEEMYQMYG GPVVLVAHSMGNVYMLYFLQRQPQVWKDKYIHAFVSLGAPWGGVAKTLRVLA SGDNNRIPVIGPLKIREQQRSVSTSWLLPYNHTWSHEKVFVYTPPTNYTLRD YHRFFRDIGFEDGWFMQRDTEGLVEAMTPPGVELHCLYGTGVPTPNSFYYES FPDRDPKICFGDGDGTVNLESVLQCQAWQSRQEHRVSLQELPGSEHIEMLAN ATTLAYLKRVLLEP
Research Area	Epigenetics and Nuclear Signaling
Source	E.coli
Target Names	Pla2g15
Protein Names	1-O-acylceramide synthase1 Short name: ACS LCAT-like lysophospholipase Short name: LLPL Lysophospholipase 3 Lysosomal phospholipase A22 Short name: LPLA2
Expression Region	34-412aa
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	N-terminal 10xHis-tagged and C-terminal Myc-tagged
Mol. Weight	50.5 kDa

Protein Length	Full Length of Mature Protein	
Image		(Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel.
		Based on the SEQUEST from database of E.coli host and target protein, the LC-MS/MS Analysis result of CSB-EP840854MO could indicate that this peptide derived from E.coli-expressed Mus musculus (Mouse) Pla2g15.
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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.	