

Recombinant Mouse PLA2G15 Protein (34-412 aa), His-Myc-tagged

Cat. No. PLA2G15-2522M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse PLA2G15 Protein (34-412 aa) is produced by E. coli expression system. This protein is fused with a 10xHis tag at the N-terminal and a Myc tag at the C-terminal. Research Area: Epigenetics and Nuclear Signaling. Protein Description: Full Length of Mature Protein.
Species	Mouse
Source	E.coli
ProteinLength	34-412 aa
Description	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.
Form	Tris-based buffer, 50% glycerol
Molecular Mass	50.5 kDa
AA Sequence	AQRHPPVVLVPGDLGNQLEAKLDKPKVVHYLCSKKTDSYFTLWLNLELLLPVIIDCWI DNIRLVYNRTSRATQFPDGVDRVPGFGETFSMEFLDPSKRNVGSYFYTMVESLVG

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WGYTRGEDVRGAPYDWRRAPNENGPYFLALREMIEEMYQMYGGPVVLVAHSMGN
 VYMLYFLQRQPQVWKDKYIHAFVSLGAPWGGVAKTLRVLASGDNNRIPVIGPLKIRE
 QQRSAVSTSWLLPYNHTWSHEKV FVYTPTTNYTLRDYHRFFRDIGFEDGWFMQRD
 TEG LVEAMTPPGVELHCLYGTGVPTPNSFYYESFPDRDPKICFGDGDGTVNLESVL
 QCQAWQSRQEHRVSLQELPGSEHIEMLANATTLAYLKRVLLEP

Purity > 85% as determined by SDS-PAGE.

Notes Repeated freezing and thawing is not recommended. Store working aliquots at 4 centigrade for up to one week.

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 centigrade/-80 centigrade. The shelf life of lyophilized form is 12 months at -20 centigrade/-80 centigrade.

Concentration A hardcopy of COA will be sent along with the products. Please refer to it for detailed information.

GENE INFORMATION

Gene Name [Pla2g15 phospholipase A2, group XV \[Mus musculus \]](#)

Official Symbol [PLA2G15](#)

Synonyms PLA2G15; lysophospholipase 3; 1-O-acylceramide synthase; ACS; LLPL; Lpla2; C87498; Lypla3;

Gene ID [192654](#)

mRNA Refseq [NM_133792](#)

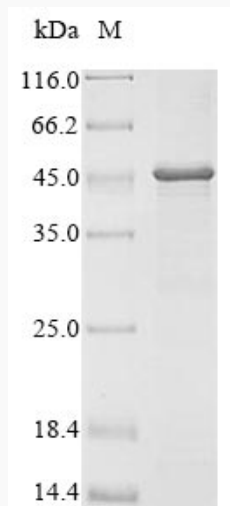
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Protein Refseq NP_598553

UniProt ID Q8VEB4



(Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel.

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