Recombinant Human PLA2G5 Protein (21-138 aa), His-tagged

Cat. No. PLA2G5-1487H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human PLA2G5 Protein (21-138 aa) is produced by Yeast expression system. This protein is fused with a 6xHis tag at the N-terminal. Research Area: Cardiovascular. Protein Description: Full Length of Mature Protein.
Species	Human
Source	Yeast
ProteinLength	21-138 aa
Description	PA2 catalyzes the calcium-dependent hydrolysis of the 2-acyl groups in 3-sn-phospho glycerides. This isozyme hydrolyzes more efficiently L-alpha-1-palmitoyl-2-oleoyl phos phatidylcholine than L-alpha-1-palmitoyl-2-arachidonyl phosphatidylcholine, L-alpha-1-palmitoyl-2-arachidonyl phosphatidylethanolamine, or L-alpha-1-stearoyl-2-arachido nyl phosphatidylinositol. May be involved in the production of lung surfactant, the rem odeling or regulation of cardiac muscle.
Form	Tris-based buffer,50% glycerol
Molecular Mass	15.6 kDa
AA Sequence	GLLDLKSMIEKVTGKNALTNYGFYGCYCGWGGRGTPKDGTDWCCWAHDHCYGRL EEKGCNIRTQSYKYRFAWGVVTCEPGPFCHVNLCACDRKLVYCLKRNLRSYNPQY QYFPNILCS

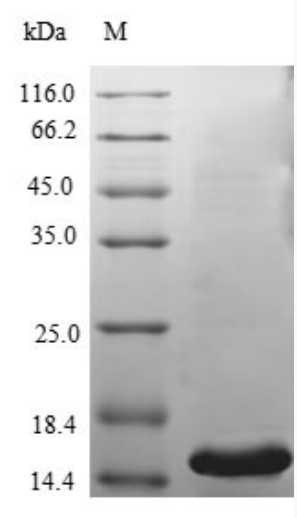
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Purity	> 90% as determined by SDS-PAGE.
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4 centigrade for up to one week.
Storage	The shelf life is related to many factors, storage state, buffer ingredients, storage 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 with reconstitution instruction is sent along with the products.

GENE INFORMATION

Gene Name	PLA2G5 phospholipase A2, group V [Homo sapiens]
Official Symbol	PLA2G5
Synonyms	PLA2G5; FRFB; GV-PLA2; PLA2-10; hVPLA(2); MGC46205; DKFZp686C2294;
Gene ID	5322
mRNA Refseq	NM_000929
Protein Refseq	NP_000920
MIM	601192
UniProt ID	P39877

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

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