

## PLA2G12A Protein, Mouse, Recombinant (His & Myc)

### General Information

Synonyms:	Group XIIA secretory phospholipase A2;Pla2g12;Phosphatidylcholine 2-acylhydrolase 12A; sPLA2-XII;GXII sPLA2;Pla2g12a
Protein Construction:	26-192 aa
Species:	Mouse
Expression Host:	Baculovirus Insect Cells
Accession:	Q9EPR2
Molecular Weight:	22.6 kDa (predicted)
AA Sequence:	QEQQDQTTDWWRATLKTIRNGIHKIDTYLNAALDLLGGEDGLCQYKCSDGSKPVPRYGYKPSPPNGCGSPLFGV HNLIGIPSLTKCCNQHDCYETCGKSKNDCDEEFQYCLSKICRDVQKTLGLSQNVQACETTVELLFDSVIHLGC KPYLDSQRAACWCRYEEKTDL

### QC Testing

Biological Activity:	Activity has not been tested. It is theoretically active, but we cannot guarantee it. If you require protein activity, we recommend choosing the eukaryotic expression version first.
Purity:	> 85% as determined by SDS-PAGE.
Endotoxin:	< 1.0 EU/μg of the protein as determined by the LAL method.
Formulation:	Tris-based buffer, 50% glycerol

### Preparation and Storage

#### Reconstitution:

A Certificate of Analysis (CoA) containing reconstitution instructions is included with the products. Please refer to the CoA for detailed information.

#### Stability & Storage:

Lyophilized powders can be stably stored for over 12 months, while liquid products can be stored for 6-12 months at -80°C. For reconstituted protein solutions, the solution can be stored at -20°C to -80°C for at least 3 months. Please avoid multiple freeze-thaw cycles and store products in aliquots.

#### Shipping:

In general, Lyophilized powders are shipping with blue ice. Solutions are shipping with dry ice.

### Protein Background

PA2 catalyzes the calcium-dependent hydrolysis of the 2-acyl groups in 3-sn-phosphoglycerides. Does not exhibit detectable activity toward sn-2-arachidonoyl- or linoleoyl-phosphatidylcholine or -phosphatidylethanolamine.

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