

PLA2G2A Protein, Mouse (P.pastoris, His)

Cat. No.:	HY-P74628
Synonyms:	Phospholipase A2, membrane associated; EF; GIIC sPLA2
Species:	Mouse
Source:	P. pastoris
Accession:	P31482 (N22-C146)
Gene ID:	18780
Molecular Weight:	Approximately 15.3 kDa

PROPERTIES

Biological Activity	The enzyme activity of this recombinant protein is testing in progress, we cannot offer a guarantee yet.
Appearance	Lyophilized powder.
Formulation	Lyophilized from a 0.2 μ m filtered solution of 50 mM NaAC, pH 4.0. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween 80 are added as protectants before lyophilization.
Endotoxin Level	<1 EU/ μ g, determined by LAL method.
Reconstitution	It is not recommended to reconstitute to a concentration less than 100 μ g/mL in ddH ₂ O.
Storage & Stability	Stored at -20°C for 2 years. After reconstitution, it is stable at 4°C for 1 week or -20°C for longer (with carrier protein). It is recommended to freeze aliquots at -20°C or -80°C for extended storage.
Shipping	Room temperature in continental US; may vary elsewhere.

DESCRIPTION

Background	This passage describes the activity and functions of a phospholipase A2 enzyme. Phospholipase A2 is an enzyme that hydrolyzes phospholipids, specifically phosphatidylethanolamines and phosphatidylglycerols, more efficiently than phosphatidylcholines. This enzyme is involved in lipid remodeling of cellular membranes and the generation of lipid mediators that are important in clearing pathogens from the body.
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Caution: Product has not been fully validated for medical applications. For research use only.

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