

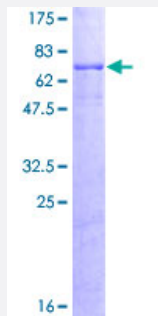
Full-Length

PLA1A (Human) Recombinant Protein (P01)

Catalog # H00051365-P01

Size 25 ug, 10 ug

Applications



Specification

Product Description

Human PLA1A full-length ORF (NP_056984.1, 1 a.a. - 456 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence

MPPGPWESCFWVGGLILWLSVGSSGDAPPTPQPKCADFQSANLFEGTDLKVQFLLFVPSNPSC
GQLVEGSSDLQNSGFNATLGTKLIHGFRLGTPSWIDTFIRTLRATNANVIAVDWIYGSTGVYFS
AVKNVIKLSLEISLFLNKLVLGVSESSIHIGVSLGAHVGGMVGQLFGGQLGQITGLDPAGPEYTRA
SVEERLDAGDALFVEAIHTD TDNLGIRIPVGHVDYFVNGGQDQPGCPTFFYAGYSYLICDHMRAVH
LYSALENSCPLMAFPCASYKAFLAGRCLDCFNPFLLSCPRIGLVEQGGVKIEPLPKEVKVYLLTTS
SAPYCMHHSLEFHLKELRNKDTNIEVTFLSSNITSSSKITPKQQRYGKGIHAHATPQCQINQVKFKF
QSSNRVWKKDRTTIGKFCTALLPVNDREKMOVCLPEPVNLQASVTVSCDLKIACV

Host

Wheat Germ (in vitro)

Theoretical MW (kDa)

76.1

Interspecies Antigen Sequence

Mouse (81); Rat (80)

Preparation Method

[in vitro wheat germ expression system](#)

Purification

Glutathione Sepharose 4 Fast Flow

Quality Control Testing

12.5% SDS-PAGE Stained with Coomassie Blue.

Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
Storage Instruction	Store at -80°C. Aliquot to avoid repeated freezing and thawing.
Note	Best use within three months from the date of receipt of this protein.

Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)
- Antibody Production
- Protein Array

Gene Info — PLA1A

Entrez GeneID	51365
GeneBank Accession#	NM_015900.1
Protein Accession#	NP_056984.1
Gene Name	PLA1A
Gene Alias	PS-PLA1, PSPLA1
Gene Description	phospholipase A1 member A
Omim ID	607460
Gene Ontology	Hyperlink
Gene Summary	Phosphatidylserine-specific phospholipase A1-alpha (PLA1A) acts specifically on phosphatidylserine (PS) and 1-acyl-2-lysophosphatidylserine (lyso-PS) to hydrolyze fatty acids at the sn-1 position of these phospholipids.[supplied by OMIM]
Other Designations	phosphatidylserine-specific phospholipase A1alpha

Pathway

- [Tropane](#)

Disease

- [Cardiovascular Diseases](#)
- [Diabetes Mellitus](#)
- [Edema](#)