

Datasheet for ABIN7275462

**PLA2G7 Protein (AA 22-440) (His tag)****2** Images[Go to Product page](#)

## Overview

Quantity:	100 µg
Target:	PLA2G7 (Lp-PLA2)
Protein Characteristics:	AA 22-440
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This PLA2G7 protein is labelled with His tag.

## Product Details

Purpose:	Mouse PLA2G7 Protein
Sequence:	Phe22-Asn440
Characteristics:	Recombinant Mouse PLA2G7 Protein is expressed from HEK293 with His tag at the C-Terminus. It contains Phe22-Asn440.
Purity:	> 95 % as determined by Tris-Bis PAGE, > 95 % as determined by HPLC
Sterility:	0.22 µm filtered
Endotoxin Level:	Less than 1EU per µg by the LAL method.

## Target Details

Target:	PLA2G7 (Lp-PLA2)
Alternative Name:	PLA2G7 ( <a href="#">Lp-PLA2 Products</a> )

## Target Details

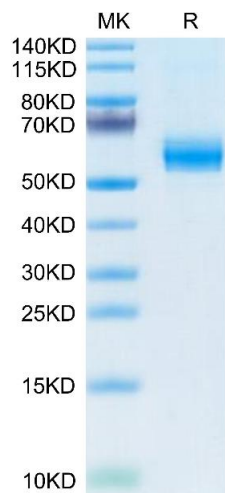
Background:	Endogenous PLA2G7 transcription levels were found to be significantly lower in vascular related cell lines than in the other cell lines. Luciferase reporter gene assays indicated that gene activity was significantly enhanced by PLA2G7 promoter fragment. LA2G7 transcription was found to be up-regulated with the treatment of DAC. The 17- $\beta$ -estradiol was found to down-regulate PLA2G7 transcription in all the cell lines.
Molecular Weight:	47.9 kDa. Due to glycosylation, the protein migrates to 52-65 kDa based on Tris-Bis PAGE result.
UniProt:	<a href="#">Q60963</a>
Pathways:	<a href="#">Peptide Hormone Metabolism</a>

## Application Details

Restrictions:	For Research Use only
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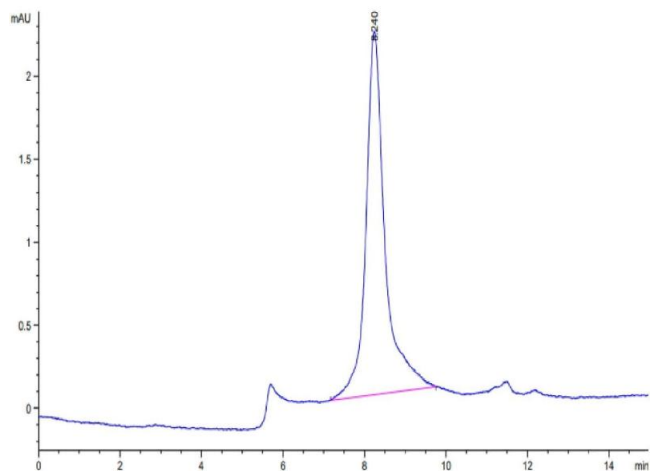
## Handling

Format:	Lyophilized
Reconstitution:	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 $\mu$ g/mL is recommended. Dissolve the lyophilized protein in distilled water.
Buffer:	Lyophilized from 0.22 $\mu$ m filtered solution in PBS ( pH 7.4). Normally 8 % trehalose is added as protectant before lyophilization.
Storage:	-20 $^{\circ}$ C,-80 $^{\circ}$ C
Storage Comment:	-20 to -80 $^{\circ}$ C for 12 months as supplied from date of receipt.,-80 $^{\circ}$ C for 3-6 months after reconstitution.,2-8 $^{\circ}$ C for 2-7 days after reconstitution.,Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.
Expiry Date:	12 months



SDS-PAGE

**Image 1.** Mouse PLA2G7 on Tris-Bis PAGE under reduced condition. The purity is greater than 95 % .



Size-exclusion chromatography-High Pressure Liquid Chromatography

**Image 2.** The purity of Mouse PLA2G7 is greater than 95 % as determined by SEC-HPLC.