

# Human PLA2G7 Protein

Cat. No. PLA-HM107

## Description

<b>Source</b>	Recombinant Human PLA2G7 Protein is expressed from HEK293 with His tag at the C-Terminus. It contains Phe22-Asn441.
<b>Accession</b>	Q13093
<b>Molecular Weight</b>	The protein has a predicted MW of 48.9 kDa. Due to glycosylation, the protein migrates to 49-60 kDa based on Bis-Tris PAGE result.
<b>Endotoxin</b>	Less than 0.1 EU per $\mu\text{g}$ by the LAL method.
<b>Purity</b>	> 95% as determined by Bis-Tris PAGE

## Formulation and Storage

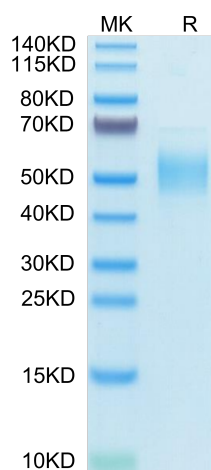
<b>Formulation</b>	Supplied as 0.22 $\mu\text{m}$ filtered solution in 50mM NaAc, 150mM NaCl, 10% Glycerol (pH 5.0).
<b>Storage</b>	Valid for 12 months from date of receipt when stored at -80°C. Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.

## 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.

## Assay Data

### Bis-Tris PAGE



Human PLA2G7 on Bis-Tris PAGE under reduced condition. The purity is greater than 95%.