Mouse PLA2G7 Protein

Cat. No. PLA-MM107

Description

Source	Recombinant Mouse PLA2G7 Protein is expressed from HEK293 with His tag at the C-Terminus.
	It contains Phe22-Asn440.
Accession	Q60963
Molecular Weight	The protein has a predicted MW of 47.9 kDa. Due to glycosylation, the protein migrates to 52-65 kDa based on Tris-Bis PAGE result.
Endotoxin	Less than 1EU per μg by the LAL method.
Purity	> 95% as determined by Tris-Bis PAGE
	> 95% as determined by HPLC

Formulation and Storage

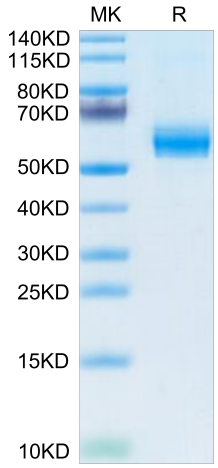
Formulation	Lyophilized from 0.22μm filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization.
Reconstitution	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 μg/ml is recommended. Dissolve the lyophilized protein in distilled water.
Storage	-20 to -80°C for 12 months as supplied from date of receipt.-20 to -80°C for 3-6 months in unopened state after reconstitution.2-8°C for 2-7 days after reconstitution.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-β-estradiol was found to down-regulate PLA2G7 transcription in all the cell lines.

Assay Data

Tris-Bis PAGE



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

SEC-HPLC

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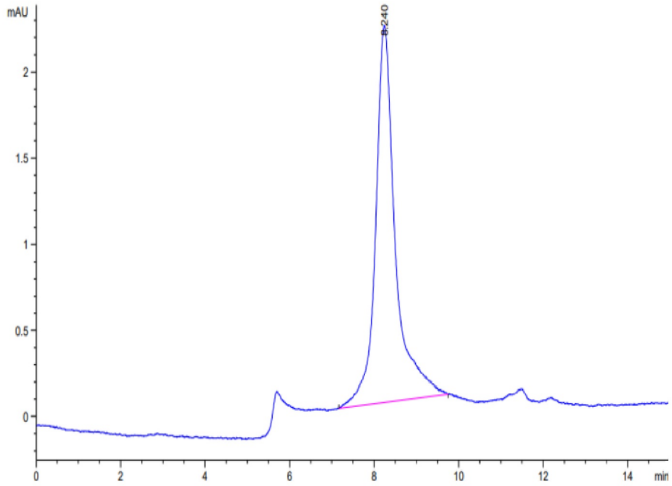
Assay Data



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