



AVISCERA BIOSCIENCE

Human Phospholipase A2, Group VII (PLA2G7) Rec.

Product Information

Code	00532-22-10
Name	Human PLA2G7
Lot No.	
Size	10 µg
Species	Human
Sequence	Phe22-Asn441
Protein ID	NP_001161829
Gene ID	NM_00116835
MW	50-55 KD (glycosylated)
Tag	His tag on C terminus
Source	Human cells
Purity	>96% in SDS- PAGE gel
Formulation	PBS lyophilized form without preservatives
Carry	Free
Storage	-70° C
Reconstitution	PBS, 100 µl

Alternative name(s):

1-alkyl-2-acetyl-glycerophosphocholine esterase
2-acetyl-1-alkyl-glycerophosphocholine esterase
Group-VIIA phospholipase A2
Short name:
gVIIA-PLA2
LDL-associated phospholipase A2

Description

A DNA sequence encoding the human PLA2G7 (Phe²²-Asn⁴⁴¹) with 6 x His tag on the C-Terminus was expressed in human cells. Bioactivity was measured by its ability to cleave a colorimetric peptide substrate, 1O-hexadecyl-2-deoxy-2-thio Sacetyl-snglyceryl-3-phosphoryl choline (2-Thio-PAF), in the presence of 5, 5'Dithiobis(2-nitrobenzoic acid) (DTNB). The specific activity is >5000 pmoles/min/µg.

Formulation

10 µg human PLA2G7 in 50 µl of 0.2 µm filtered solution in 20mM HAc-NaCl, 150 mM NaCl, 10% Glycerol, pH 4.5. Carry free.

Endotoxin Levels

< 1.0 EU per 1 µg of the protein by the LAL method.

Reconstitution & Storage

Add 100 µl PBS to the vial to prepare a working stock solution at 500 µg/mL. Allow to set at least 30 minutes at 4° C, mix well.

Store lyophilized protein at -20° C or -70° C. Lyophilized protein is stable for up to 6 months from date of receipt at -20° C to -70° C. Upon reconstitution, this protein can be stored at -20° C for a few weeks or at -70° C in a manual defrost freezer for long term storage (six months). Aliquot reconstituted protein to avoid repeated freezing / thawing cycles.

Sequence: Human PLA2G7 (Phe22-Asn441)

ORDER INFORMATION
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