

Product datasheet

Recombinant human PLA2G1B protein ab191680

1 Image

Description

Product name	Recombinant human PLA2G1B protein	
Biological activity	Measured by its ability to hydrolyze 1-Hexadecanoyl-2-(1-pyrene-decanoyl)-sn-glycero-3-phosphoglycerol. The specific activity is >2,500 pmol/min/μg.	
Purity	> 95 % SDS-PAGE.	
Endotoxin level	< 1.000 Eu/μg	
Expression system	HEK 293 cells	
Accession	P04054	
Protein length	Full length protein	
Animal free	No	
Nature	Recombinant	
Species	Human	
Sequence	AVWQFRKMIKCVIPGSDPFLEYNNYGCYGLGGSGTPVD ELDKCCQTHDN CYDQAKKLDSCFLLDNPYHTYSYSCSGSAITCSSKNKE CEAFICNCDR NAAICFSKAPYNKAHKNLDTKKYCQS	
Predicted molecular weight	15 kDa including tags	
Amino acids	23 to 148	
Tags	His tag C-Terminus	
Additional sequence information	Accession AAI06726 This product is for the mature full length protein from aa 23 to 148. The signal peptide and propeptide are not included.	

Specifications

Our [Abpromise guarantee](#) covers the use of **ab191680** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Applications	SDS-PAGE Functional Studies
Form	Lyophilized

Additional notes

No activity loss was observed after storage at:

- 4-8°C for 1 year in lyophilized state
- 70°C for 3 months under sterile conditions after reconstitution.

Preparation and Storage

Stability and Storage

Shipped at 4°C. Store at 4°C prior to reconstitution. Store at -80°C. Avoid freeze / thaw cycle. For long term storage it is recommended to add a carrier protein on reconstitution (0.1% HSA or BSA). Please see notes section.

pH: 7.4

Constituents: 0.58% Sodium chloride, 0.41% Sodium acetate

5-10% trehalose is commonly used for freeze drying, and after reconstitution, the trehalose is mostly about 3-5%.

ab191680 was lyophilized from 0.22 µm filtered solution.

This product is an active protein and may elicit a biological response in vivo, handle with caution.

Reconstitution

Reconstitute with sterile deionized water to a concentration of 200 µg/ml.

General Info

Function

PA2 catalyzes the calcium-dependent hydrolysis of the 2-acyl groups in 3-sn-phosphoglycerides.

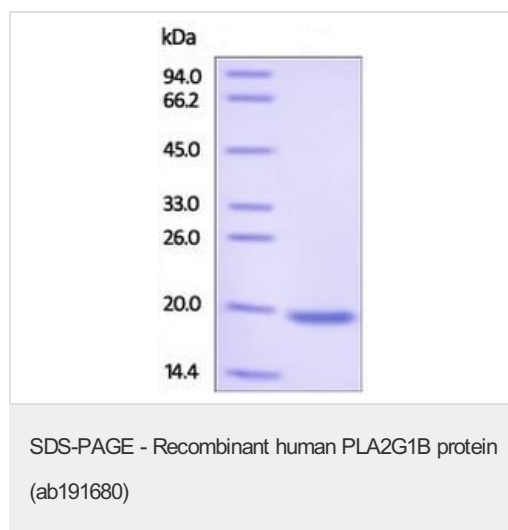
Sequence similarities

Belongs to the phospholipase A2 family.

Cellular localization

Secreted.

Images



DTT-reduced SDS-PAGE analysis of ab191680 stained overnight with Coomassie Blue. DTT-reduced protein migrates at 19 kDa in SDS-PAGE.

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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