

Hamster PLBD2 / PLBL2 Protein, His Tag

Catalog # PL2-H51H3



BIOSYSTEMS
Acro

Synonyms

PLBD2

Source

Hamster PLBD2 Protein, His Tag (PL2-H51H3) is expressed from CHO cells. It contains AA Leu 38 - Asp 585 (Accession # [G3I6T1-1](#)).

Predicted N-terminus: Leu 38

Molecular Characterization

PLBD2(Leu 38 - Asp 585)
G3I6T1-1

Poly-his

This protein carries a polyhistidine tag at the C-terminus.

The protein has a calculated MW of 63.7 kDa. The protein migrates as 43 kDa and 70-80 kDa when calibrated against [Star Ribbon Pre-stained Protein Marker](#) under reducing (R) condition (SDS-PAGE) due to glycosylation.

Endotoxin

Less than 1.0 EU per µg by the LAL method / rFC method.

Purity

>95% as determined by SDS-PAGE.

Formulation

Lyophilized from 0.22 µm filtered solution in PBS, pH7.4 with trehalose as protectant.

Contact us for customized product form or formulation.

Reconstitution

Please see Certificate of Analysis for specific instructions.

For best performance, we strongly recommend you to follow the reconstitution protocol provided in the CoA.

Shipping and Storage

This product is shipped at ambient temperature.

For long term storage, the product should be stored at lyophilized state at -20°C or lower.

Please avoid repeated freeze-thaw cycles.

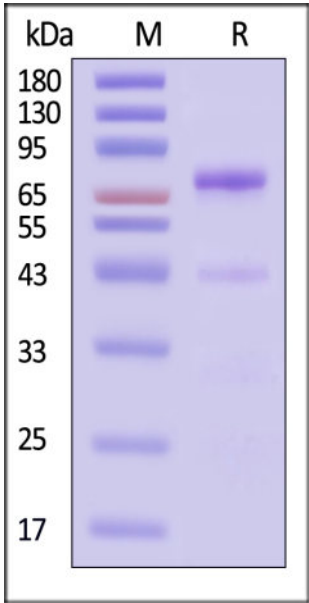
This product is stable after storage at:

- -20°C to -70°C for 12 months in lyophilized state;
- -70°C for 3 months under sterile conditions after reconstitution.

ACRO Quality Management System

- [QMS\(ISO, GMP\)](#).
- [Quality Advantages](#)
- [Quality Control Process](#)

SDS-PAGE



Hamster PLBD2 Protein, His Tag on SDS-PAGE under reducing (R) condition. The gel was stained with Coomassie Blue. The purity of the protein is greater than 95% (With [Star Ribbon Pre-stained Protein Marker](#)).

Background

PLBL2 (also annotated as PLBD2, phospholipase B-like 2) is a lysosome-localized, functionally semi-orphan member of the phospholipase B family. Its mature, active form depends on ordered post-translational processing—signal-peptide removal, mannose-6-phosphate-mediated lysosomal targeting, and an autocatalytic cleavage step. In biopharmaceutical production, especially from CHO cells, PLBL2 is classified among high-risk host cell proteins (HCPs): it persists through downstream purification owing to its stability and clearance-resistant properties, creating a potential immunogenicity hazard (anti-HCP/anti-drug antibody risk) that mandates sensitive, specific monitoring.



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