



## Synonym

PLAP

## Source

Cynomolgus ALPP, His Tag(ALP-C52H3) is expressed from human 293 cells (HEK293). It contains AA Ile 21 - Asp 504 (Accession # [XP\\_045223825.1](#)).

Predicted N-terminus: Ile 21

## Molecular Characterization

ALPP(Ile 21 - Asp 504)  
XP\_045223825.1 Poly-his

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

The protein has a calculated MW of 54.6 kDa. The protein migrates as 65-70 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.

## Purity

>95% as determined by SDS-PAGE.

## Formulation

Supplied as 0.2 µm filtered solution in 50mM Tris, 150mM NaCl pH7.3 with trehalose as protectant.

Contact us for customized product form or formulation.

## Shipping

*This product is supplied and shipped with dry ice, please inquire the shipping cost.*

## Storage

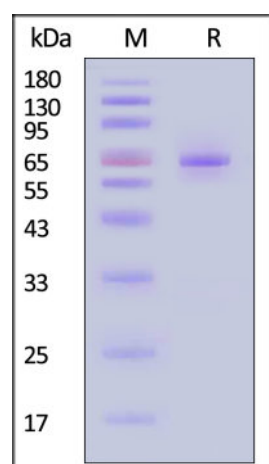
For long term storage, the product should be stored at lyophilized state at -20°C or lower.

*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.

## SDS-PAGE



Cynomolgus ALPP, 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

In most mammals there are four different isozymes: placental (ALPP), germ cell (ALPG), intestinal (ALPI) and tissue non-specific (liver/bone/kidney) (ALPL/TP). ALPP is also known as Alkaline phosphatase, placental type and PLAP. Alkaline phosphatase that can hydrolyze various phosphate compounds.

## Clinical and Translational Updates

Discounts, Gifts,  
and more!

