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Datasheet for ABIN7538476

## PLAP Protein (AA 21-504) (His tag)

### 1 Image

#### Overview

Quantity:	50 µg
Target:	PLAP (ALPP)
Protein Characteristics:	AA 21-504
Origin:	Cynomolgus
Source:	Mammalian Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This PLAP protein is labelled with His tag.

#### Product Details

Purpose:	Recombinant Cynomolgus ALPP protein with C-terminal 10xHis tag
Specificity:	ALPP (Ile21-Asp504) 10xHis tag
Characteristics:	Extracellular Domain Protein
Purification:	Purified from cell culture supernatant by affinity chromatography
Purity:	The purity of the protein is greater than 85 % as determined by SDS-PAGE and Coomassie blue staining.

#### Target Details

Target:	PLAP (ALPP)
Alternative Name:	ALPP ( <a href="#">ALPP Products</a> )
Background:	The protein encoded by this gene is an alkaline phosphatase, a metalloenzyme that catalyzes

## Target Details

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the hydrolysis of phosphoric acid monoesters. It belongs to a multigene family composed of four alkaline phosphatase isoenzymes. The enzyme functions as a homodimer and has a catalytic site containing one magnesium and two zinc ions, which are required for its enzymatic function. One of the main sources of this enzyme is the liver, and thus, it's one of several indicators of liver injury in different clinical conditions. In pregnant women, this protein is primarily expressed in placental and endometrial tissue, however, strong ectopic expression has been detected in ovarian adenocarcinoma, serous cystadenocarcinoma, and other ovarian cancer cells. [provided by RefSeq, Aug 2020]

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Molecular Weight: predicted molecular mass of 54.1 kDa after removal of the signal peptide. The apparent molecular mass of cALPP-His is 55-70 kDa due to glycosylation.

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NCBI Accession: [XP\\_045223825](#)

## Application Details

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Restrictions: For Research Use only

## Handling

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Format: Lyophilized

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Buffer: Lyophilized from sterile PBS, pH 7.4. Normally 5 % - 8 % trehalose is added as protectants before lyophilization.

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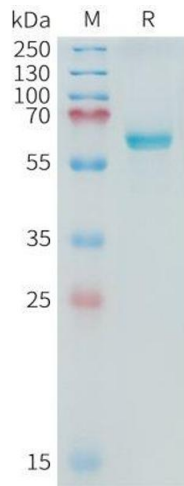
Storage: -20 °C,-80 °C

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Storage Comment: Store at -20°C to -80°C for 12 months in lyophilized form. After reconstitution, if not intended for use within a month, aliquot and store at -80°C (Avoid repeated freezing and thawing).  
Lyophilized proteins are shipped at ambient temperature.

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Expiry Date: 12 months



### SDS-PAGE

**Image 1.** Cynomolgus ALPP Protein, His Tag on SDS-PAGE under reducing condition.