

Datasheet for ABIN7491369

PLAP Protein (AA 23-505) (His tag)[Go to Product page](#)**2** Images

Overview

Quantity:	100 µg
Target:	PLAP (ALPP)
Protein Characteristics:	AA 23-505
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This PLAP protein is labelled with His tag.

Product Details

Purpose:	Recombinant Human ALPP Protein with C-terminal 6xHis tag
Specificity:	ALPP (Ile23-Thr505) 6xHis 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 (ALPP Products)
Background:	The protein encoded by this gene is an alkaline phosphatase, a metalloenzyme that catalyzes

Target Details

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]

Molecular Weight: predicted molecular mass of 53.5 kDa after removal of the signal peptide. The apparent molecular mass of ALPP-His is 55-70 kDa due to glycosylation.

UniProt: [P05187](#)

Application Details

Restrictions: For Research Use only

Handling

Format: Lyophilized

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

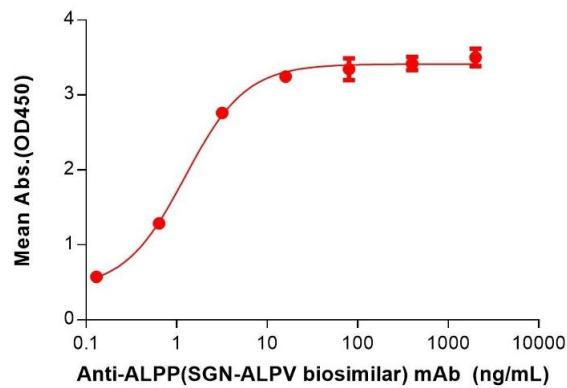
Storage: -20 °C,-80 °C

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.

Expiry Date: 12 months

Human ALPP, His Tagged protein ELISA

0.2 µg of Human ALPP, His tagged protein per well



ELISA

Image 1. ELISA plate pre-coated by 2 µg/mL (100 µL/well) Human ALPP Protein, His Tag (ABIN7455759, ABIN7491368 and ABIN7491369) can bind Anti-ALPP(SGN-ALPV biosimilar) mAb in a linear range of 0.13-3.20 ng/mL.

SDS-PAGE

Image 2. Human ALPP Protein, His Tag on SDS-PAGE under reducing condition.