

For Research Use Only

Recombinant Human PLAP protein (rFc Tag)



Catalog Number: Eg3065

Basic Information

Species:
Human

Purity:
>90 %, SDS-PAGE

Tag:
rFc Tag

Technical Specifications

Purity:

>90 %, SDS-PAGE

Endotoxin Level:

<0.1 EU/ μ g protein, LAL method

Source:

HEK293-derived Human PLAP protein Ile23-Asp506 (Accession# P05187) with a rabbit IgG Fc tag at the C-terminus.

GeneID:

250

Accession:

P05187

Predicted Molecular Mass:

78.8 kDa

SDS-PAGE:

72-95 kDa, reducing (R) conditions

Formulation:

Lyophilized from 0.22 μ m filtered solution in PBS, pH 7.4. Normally 5% trehalose and 5% mannitol are added as protectants before lyophilization.

Biological Activity

Not tested

Storage and Shipping

Storage:

It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

- Until expiry date, -20°C to -80°C as lyophilized proteins.
- 3 months, -20°C to -80°C under sterile conditions after reconstitution.

Shipping:

The product is shipped at ambient temperature. Upon receipt, store it immediately at the recommended temperature.

Reconstitution

Briefly centrifuge the tube before opening. Reconstitute at 0.1-0.5 mg/mL in sterile water.

Background

ALPP (Alkaline Phosphatase, Placental Type) is an alkaline phosphatase (ALP) isoenzyme, a heat-stable enzyme, which is highly abundant in the placenta. It is a membrane-bound glycoprotein that catalyzes the hydrolysis of monoesters of phosphoric acid at alkaline pH, and zinc and magnesium are important cofactors for ALPP. ALPP expression is highly restricted in normal tissues, but their expression levels are elevated in certain cancer types, making them potential targets with tumor specificity.

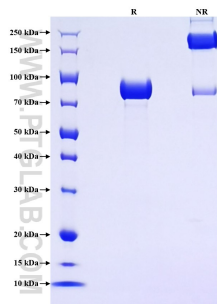
References

1. Wennberg C, et al. Hum Mutat. 2002;19(3):258-67.
2. Niida T, et al. J Thromb Thrombolysis. 2024;57(2):204-211.
3. Bellazi L, et al. Placenta. 2010;31(9):764-9.

Synonyms

PLAP, ALP, ALPP, EC:3.1.3.1, PALP

Selected Validation Data



Purity of Recombinant Human PLAP was determined by SDS-PAGE. The protein was resolved in an SDS-PAGE in reducing (R) and non-reducing (NR) conditions and stained using Coomassie blue.

For technical support and original validation data for this product please contact

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