



Datasheet for ABIN2714571

## ALPL Protein (Transcript Variant 1) (His tag)



[Go to Product page](#)

### 1 Image

#### Overview

|                               |   |
|-------------------------------|---|
| Quantity:                     | 10 µg                                       |
| Target:                       | ALPL  |
| Protein Characteristics:      | Transcript Variant 1                        |
| Origin:                       | Human                                       |
| Source:                       | HEK-293 Cells                               |
| Protein Type:                 | Recombinant                                 |
| Purification tag / Conjugate: | This ALPL protein is labelled with His tag. |
| Application:                  | Antibody Production (AbP), Standard (STD)   |

#### Product Details

|                  |   |
|------------------|---|
| Characteristics: | <ul style="list-style-type: none"><li>• Recombinant human Alkaline phosphatase / ALPL (transcript variant 1) protein expressed in HEK293 cells.</li><li>• Produced with end-sequenced ORF clone</li></ul> |
| Purity:          | > 95 % as determined by SDS-PAGE and Coomassie blue staining  |
| Endotoxin Level: | < 0.1 EU per µg protein as determined by LAL test   |

#### Target Details

|                   |   |
|-------------------|---|
| Target:           | ALPL  |
| Alternative Name: | Alkaline Phosphatase,alpI ( <a href="#">ALPL Products</a> )   |
| Background:       | This gene encodes a member of the alkaline phosphatase family of proteins. There are at least four distinct but related alkaline phosphatases: intestinal, placental, placental-like, and |

## Target Details

---

liver/bone/kidney (tissue non-specific). The first three are located together on chromosome 2, while the tissue non-specific form is located on chromosome 1. The product of this gene is a membrane bound glycosylated enzyme that is not expressed in any particular tissue and is, therefore, referred to as the tissue-nonspecific form of the enzyme. Alternative splicing results in multiple transcript variants, at least one of which encodes a preproprotein that is proteolytically processed to generate the mature enzyme. This enzyme may play a role in bone mineralization. Mutations in this gene have been linked to hypophosphatasia, a disorder that is characterized by hypercalcemia and skeletal defects.

---

Molecular Weight: 54.5 kDa

---

NCBI Accession: [NP\\_000469](#)

## Application Details

---

Application Notes: Recombinant human proteins can be used for:  
Native antigens for optimized antibody production  
Positive controls in ELISA and other antibody assays

---

Comment: The tag is located at the N-terminal.

---

Restrictions: For Research Use only

## Handling

---

Concentration: 50 µg/mL

---

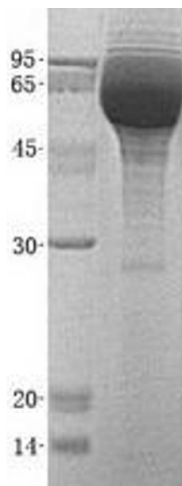
Buffer: 20 mM HEPES, 150 mM NaCl, 2 mM MgSO<sub>4</sub>, 0.1 mM ZnCl<sub>2</sub>, pH 7.5. Avoid repeated freeze-thaw cycles. Stable for at least 3 months from receipt of products under proper storage and handling conditions.

---

Storage: -80 °C

---

Storage Comment: Store at -80°C. Thaw on ice, aliquot to individual single-use tubes, and then re-freeze immediately. Only 2-3 freeze thaw cycles are recommended.



### Western Blotting

**Image 1.** Validation with Western Blot