

Recombinant Human ALPL Protein, His-tagged

Cat. No. ALPL-387H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human ALPL, transcript variant 2, fused with His tag at N-terminal was expressed in E. coli.
Species	Human
Source	E.coli
Description	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 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.
Form	25mM Tris, pH8.0, 150 mM NaCl, 10% glycerol, 1 % Sarkosyl.
Molecular Mass	50.9 kDa
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining

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Concentration >50 ug/mL as determined by microplate BCA method

GENE INFORMATION

Gene Name [ALPL alkaline phosphatase, liver/bone/kidney \[Homo sapiens \]](#)

Official Symbol [ALPL](#)

Synonyms

ALPL; alkaline phosphatase, liver/bone/kidney; HOPS; alkaline phosphatase, tissue-nonspecific isozyme; TNSALP; glycerophosphatase; tissue-nonspecific ALP; alkaline phosphomonoesterase; liver/bone/kidney-type alkaline phosphatase; alkaline phosphatase liver/bone/kidney isozyme; TNAP; APTNAP; AP-TNAP; FLJ40094; FLJ93059; MGC161443; MGC167935;

Gene ID [249](#)

mRNA Refseq [NM_000478](#)

Protein Refseq [NP_000469](#)

MIM [171760](#)

UniProt ID [P05186](#)

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