

Recombinant Human ALPL Protein, MYC/DDK-tagged

Cat. No. ALPL-1994H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant human ALPL protein, fused to MYC/DDK-tagged at C-terminus, was expressed in HEK293
Species	Human
Source	HEK293
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. [provided by RefSeq, Oct 2015].
Form	25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.
Molecular Mass	55.5 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 AP-TNAP; APTNAP; HOPS; TNAP; TNSALP

Gene ID 249

mRNA Refseq NM_000478

Protein Refseq NP_000469

MIM 171760

UniProt ID P05186

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