

Recombinant Human ALPL

Catalog No: #GP10048



Package Size: #GP10048-1 100ug

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Description

Product Name	Recombinant Human ALPL
Brief Description	Recombinant Protein
Immunogen Description	Fusion protein corresponding to a region derived from 2-329amino acids of human Alkaline phosphatase
Target Name	Alkaline phosphatase
Other Names	HOPS, TNAP, APTNAP, TNSALP, AP-TNAP
Accession No.	Swissprot:P05186Gene Accession:BC110909
Uniprot	P05186
GeneID	249;
Storage	-20~-80°C, pH 7.6 PBS

Background

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. The exact physiological function of the alkaline phosphatases is not known. A proposed function of this form of the enzyme is matrix mineralization; however, mice that lack a functional form of this enzyme show normal skeletal development. This enzyme has been linked directly to hypophosphatasia, a disorder that is characterized by hypercalcemia and includes skeletal defects. The character of this disorder can vary, however, depending on the specific mutation since this determines age of onset and severity of symptoms. Alternatively spliced transcript variants have been described.

References

Note: For in vitro research use only, not for diagnostic or therapeutic use. This product is not a medical device.

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