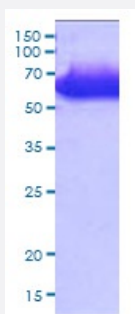


Bioactive

ALPP (Human) Recombinant Protein

Catalog # P6805 Size 50 ug

Applications



SDS-PAGE Stained with Coomassie Blue.

Specification

Product Description	Human ALPP (AAH09647.1, 23 a.a. - 506 a.a.) partial recombinant protein with His tag expressed in Baculovirus expression system.
Host	Viruses
Theoretical MW (kDa)	53.9
Form	Liquid
Preparation Method	Baculovirus expression system
Purity	> 95% by SDS-PAGE
Endotoxin Level	< 1 EU/ug
Activity	Specific activity is > 2,500 unit/mg, and is defined as the amount of enzyme that hydrolyze 1.0 nmole of p-nitrophenyl phosphate (pNPP) per minute at pH 7.5 at 37°C.
Quality Control Testing	SDS-PAGE Stained with Coomassie Blue SDS-PAGE Stained with Coomassie Blue.
Recommend Usage	SDS-PAGE The optimal working dilution should be determined by the end user.

Storage Buffer

In PBS, pH 7.4 (10% glycerol)

Storage Instruction

Store at -20°C. For long term storage store at -80°C.
Aliquot to avoid repeated freezing and thawing.

Applications

- SDS-PAGE

Gene Info — ALPP

Entrez GeneID[250](#)**Protein Accession#**[P05187](#)**Gene Name**

ALPP

Gene Alias

ALP, FLJ61142, PALP, PLAP

Gene Description

alkaline phosphatase, placental (Regan isozyme)

Omim ID[171800](#)**Gene Ontology**[Hyperlink](#)**Gene Summary**

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, also referred to as the heat stable form, that is expressed primarily in the placenta although it is closely related to the intestinal form of the enzyme as well as to the placental-like form. The coding sequence for this form of alkaline phosphatase is unique in that the 3' untranslated region contains multiple copies of an Alu family repeat. In addition, this gene is polymorphic and three common alleles (type 1, type 2 and type 3) for this form of alkaline phosphatase have been well characterized. [provided by RefSeq]

Other Designations

alkaline phosphomonoesterase|glycerophosphatase|placental alkaline phosphatase

Pathway

- [Folate biosynthesis](#)
- [gamma-Hexachlorocyclohexane degradation](#)
- [Metabolic pathways](#)

Disease

- [Birth Weight](#)
- [Fetal Death](#)