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Product Information

MemDX™ Membrane Protein Human ALPP (Alkaline phosphatase, placental) Expressed in Baculovirus/Insect expression system with 10xHis tag at the N-terminus for Antibody Discovery, Partial (117-447aa)

Cat. No.: **MPX4315K**
This product is for research use only and is not intended for diagnostic use.

This product is a 38.9 kDa Human ALPP membrane protein expressed in Baculovirus/Insect expression system. The protein is for research use only and is not approved for use in humans or in clinical diagnosis.

Product Specifications

Host Species
Human

Target Protein
ALPP

Protein Length
Partial (117-447aa)

Protein Class
Receptor

Molecular Weight
38.9 kDa

TMD
1

Sequence
TATAYLCGVKGNFQTIGLSAAARFNQCNTTRGNEVISVMNRAKKAGKSVGVVTTTRVQHASPAGTYAHTVNRNWYSDADVPASAR

Product Description

Expression Systems
Baculovirus/Insect expression system

Tag
10xHis tag at the N-terminus

Protein Format
Soluble

Form

Liquid or Lyophilized powder

Purity

>85% as determined by SDS-PAGE

Buffer

Tris-based buffer, 50% glycerol

Storage

Aliquot and store at -20°C or lower. For long term storage, we recommend to store at -70°C or lower. Avoid freeze/thaw cycles.

Target

Target Protein

ALPP

Full Name

Alkaline phosphatase, placental

Introduction

The protein encoded by this gene is an alkaline phosphatase, a metalloenzyme that catalyzes the hydrolysis of phosphoric acid monoesters. It belongs to a multigene family composed of four alkaline phosphatase isoenzymes. The enzyme functions as a homodimer and has a catalytic site containing one magnesium and two zinc ions, which are required for its enzymatic function. One of the main sources of this enzyme is the liver, and thus, it's one of several indicators of liver injury in different clinical conditions. In pregnant women, this protein is primarily expressed in placental and endometrial tissue, however, strong ectopic expression has been detected in ovarian adenocarcinoma, serous cystadenocarcinoma, and other ovarian cancer cells.

Alternative Names

ALPP; ALP; IAP; ALPI; PALP; PLAP; PLAP-1; alkaline phosphatase, placental type; Intestinal alkaline phosphatase; Intestinal-type alkaline phosphatase; alkaline phosphatase Regan isozyme; alkaline phosphomonoesterase; glycerophosphatase; placental alkaline phosphatase 1; Alkaline phosphatase, placental

Gene ID

250

UniProt ID

P05187