

Recombinant Human ALPP

Cat. No. ALPP-53H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human Placental Alkaline Phosphatase encoding 154-287 amino acids expressed in <i>E.coli</i> .
Species	Human
Source	E.coli
Protein Length	154-287 a.a.
Description	Placental alkaline phosphatase (PLAP) is a membrane-associated siaglycoprotein enzyme normally present at high concentration in syncytiotrophoblasts within the placenta during the third trimester of gestation. The expression of PLAP was originally thought to be restricted to term placenta but a human PLAP-like variant has been described which shares more than 85% homology with PLAP itself. PLAP is expressed only in normal term placenta, endocervix and fallopian tube and also in ovarian and proximal gastrointestinal tumors. It is also commonly expressed in germ cell tumors and more recently described in seminomas.
Physical Appearance	Sterile filtered liquid.
Formulation	PLAP at 100 g/ml in 50 mM Tris-Acetate, pH7.5, 1 mM EDTA and 20% Glycerol.
Characterization	On SDS-PAGE commassie blue stained gel, the purified recombinant protein shows a band at 41 kDa.

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

Stability

Store vial at -20°C to -80°C. When stored at the recommended temperature, this protein is stable for 12 months. Please prevent freeze-thaw cycles.

GENE INFORMATION
Gene Name

ALPP alkaline phosphatase, placental (Regan isozyme) [Homo sapiens]

Synonyms

ALPP; alkaline phosphatase, placental (Regan isozyme); ALP; PALP; PLAP; FLJ61142; Alkaline phosphatase, placental type; PLAP-1; Alkaline phosphatase Regan isozyme; EC 3.1.3.1; glycerophosphatase; placental alkaline phosphatase; alkaline phosphomonoesterase

Gene ID

250

mRNA Refseq

NM_001632

Protein Refseq

NP_001623

UniProt ID

P05187

Chromosome Location

2q37

MIM

171800

Pathway

Folate biosynthesis; Metabolic pathways; gamma-Hexachlorocyclohexane degradation

Function

alkaline phosphatase activity; hydrolase activity; magnesium ion binding; zinc ion binding

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

PDB rendering based
on 1ew2.

