

ALPP

Recombinant Human Alkaline Phosphatase Placental (aa 154-287) GST

Catalog No.	CSI12714	Quantity:	2 µg
	CSI12715		5 µg
	CSI12716		10 µg

Alternate Names: Placental alkaline phosphatase, ALPP, PLAP, PLAP-1, ALP-1

Description: Placental alkaline phosphatase (PLAP) is a membrane-associated sialoglycoprotein 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.

Recombinant Human Placental Alkaline Phosphatase encoding aa 154-287 shows a 41 kDa band on SDS-PAGE, including the GST tag. It is purified by proprietary chromatographic techniques.

Physical Appearance: Sterile filtered liquid.

Gene ID: 250

Source: *E. coli*

Molecular Weight: 41 kDa

Formulation: Sterile filtered liquid in 50 mM Tris-Acetate, pH 7.5, + 1 mM EDTA + 20% glycerol

Purification: Recombinant Human PLAP is purified by proprietary chromatographic techniques.

Storage & Stability: Store vial at -20°C to -80°C. When stored at the recommended temperature, this protein is stable for 12 months. **Avoid repeated freeze-thaw cycles.**

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