
Product Data Sheet

Product Name: PLAP Human
Cat. No.: GP22103
Batch No.: 1

Product Data

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	ALP; PLAP; Alkaline phosphatase placental type; EC 3.1.3.1; PLAP-1; Alkaline phosphatase Regan isozyme.		
Formulation	PLAP in 50mM Tris-Acetate, pH7.5, 1mM EDTA and 20% Glycerol.		

Introduction

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.

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.

Background

Placental Alkaline Phosphatase Human Recombinant encoding 154-287 amino acids expressed in E.coli, shows a 41kDa band on SDS-PAGE (including GST tag). PLAP Human Recombinant is purified by proprietary chromatographic techniques.

Caution: Product has not been fully validated for medical applications. For research use only.

Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com

Address: 10292 Central Ave. #205, Montclair, CA, USA