

Active Native Human ALPL Protein

Cat. No. ALPL-25H Lot. No. (See product label)

SPECIFICATION

Product Overview	Native protein of human ALPL was derived from human placenta.
Species	Human
Source	Human placenta
Description	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. The 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.
Form	Liquid
Bio-activity	1069U/mg solid 1000U/ml One unit liberates one micromole of p-nitrophenol per minute at 37 centigrade, pH 10.15 in Tris buffer.
Purity	Biuret: 95%
Applications	ELISA

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Notes	For research purposes only.
Stability	Shelf Life: 12 months from date of despatch
Storage	Store at -20 centigrade only. Storage in frost-free freezers is not recommended. This product should be stored undiluted.
Storage Buffer	Phosphate buffered saline.
GENE INFORMATION	
Gene Name	ALPP
Official Symbol	ALPP alkaline phosphatase, placental [Homo sapiens (human)]
Synonyms	ALPP; alkaline phosphatase, placental; ALP; PALP; PLAP; PLAP-1; alkaline phosphatase, placental type; alkaline phosphatase Regan isozyme; alkaline phosphomonoesterase; glycerophosphatase; placental alkaline phosphatase 1; EC 3.1.3.1
Gene ID	250
mRNA Refseq	NM_001632
Protein Refseq	NP_001623
MIM	171800
UniProt ID	P05187

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