

Recombinant Human ALPP Protein, His-tagged

Cat. No. ALPP-67H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human Alkaline Phosphatase is produced by our Mammalian expression system and the target gene encoding Ile23-Asp506 is expressed with a 6His tag at the C-terminus.
Species	Human
Source	HEK293
ProteinLength	23-506 a.a.
Description	Alkaline phosphatase (ALPP) is a membrane protein that exists as a homodimer. ALPP is expressed only in normal-term placenta, endocervix and fallopian tube, as well as in ovarian and proximal gastrointestinal tumors. It has been demonstrated to play a role in various biological processes including cell signaling, long-term potentiation, and cell adhesion. In addition, ALPP has been found to correlate with cognitive function loss in Alzheimer's disease (AD).
Form	Supplied as a 0.2 um filtered solution of 20mM Tris-Hcl, 150mM NaCl, 0.2mM CaCl ₂ , 10% Glycerol, pH7.5.
Molecular Mass	Predicted Molecular Weight: 53.5kDa Apparent Molecular Weight: 45-66.2kDa, reducing conditions.
AA Sequence	Ile23-Asp506

 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

Endotoxin	Less than 0.1 EU/ug.
Purity	85% as determined by SDS-PAGE
Storage	Store at ≤-70 centigrade, stable for 6 months after receipt. Store at ≤-70 centigrade, stable for 3 months under sterile conditions after opening. Please minimize freeze-thaw cycles.
Quality Statement	Purity: 85% as determined by SDS-PAGE.
Shipping	The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature listed below.

GENE INFORMATION

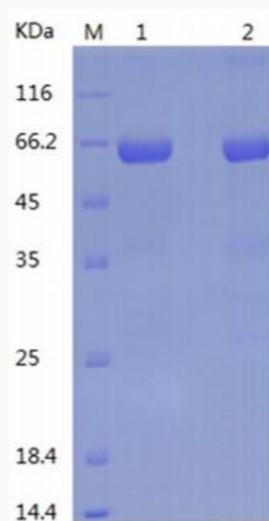
Gene Name	ALPP alkaline phosphatase, placental [Homo sapiens (human)]
Official Symbol	ALPP
Synonyms	Alkaline phosphatase; placental type; Alkaline phosphatase Regan isozyme; Placental alkaline phosphatase 1; ALPP; PLAP; ALP; IAP; ALPI; PLAP-1
Gene ID	250
mRNA Refseq	NM_001632.5
Protein Refseq	NP_001623.3
MIM	171800
UniProt ID	P05187

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SDS-PAGE



Final sample QC. Coomassie blue staining(12% gel).

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