

Active Recombinant Human ALPL protein, His-tagged

Cat. No. ALPL-386H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human ALPL protein(Leu18-Ala500), fused with C-terminal His tag, was expressed in HEK293.
Species	Human
Source	HEK293
ProteinLength	18-500 aa
Form	Lyophilized from a 0.2 µm filtered solution of 20mM HEPES, 150mM NaCl, 2mM MgSO ₄ , 0.1mM ZnCl ₂ , pH 7.5.
Bio-activity	Measured by its ability to cleave a fluorogenic substrate, 4-Methylumbelliferyl phosphate (4-MUP). The specific activity is >29519.5 pmol/min/g, as measured under the described conditions.
Molecular Mass	54.04 kDa
Endotoxin	< 0.1 EU/µg of the protein by LAL method.
Purity	≥ 90 % as determined by SDS-PAGE.
Storage	Store at -20°C. Store the lyophilized protein at -20°C to -80°C up to 1 year from the date of receipt. After reconstitution, the protein solution is stable at -20°C for 3 months, at 2-8°C for up to 1 week.

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Reconstitution

Centrifuge the vial before opening. Reconstitute to a concentration of 0.1-0.5 mg/mL in sterile distilled water. Avoid vortex or vigorously pipetting the protein. For long term storage, it is recommended to add a carrier protein or stabilizer (e.g. 0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose), and aliquot the reconstituted protein solution to minimize free-thaw cycles.

GENE INFORMATION

Gene Name [ALPL alkaline phosphatase, liver/bone/kidney \[Homo sapiens \]](#)

Official Symbol [ALPL](#)

Synonyms ALPL; alkaline phosphatase, liver/bone/kidney; HOPS; alkaline phosphatase, tissue-nonspecific isozyme; TNSALP; glycerophosphatase; tissue-nonspecific ALP; alkaline phosphomonoesterase; liver/bone/kidney-type alkaline phosphatase; alkaline phosphatase liver/bone/kidney isozyme; TNAP; APTNAP; AP-TNAP; FLJ40094; FLJ93059; MGC161443; MGC167935;

Gene ID [249](#)

mRNA Refseq [NM_000478](#)

Protein Refseq [NP_000469](#)

MIM [171760](#)

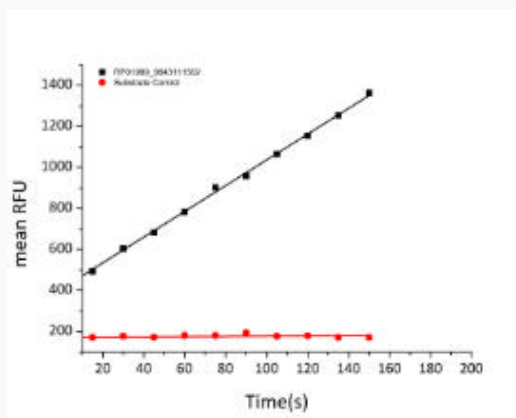
UniProt ID [P05186](#)

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Activity



SDS-PAGE

