Active Recombinant Human ALPL protein, His tagged

Cat. No. ALPL-894H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Active Recombinant Human ALPL protein(NP_000469.3) (Met 1-Ser 502) was expressed in HEK293 with a C-terminal polyhistidine tag.
Species	Human
Source	HEK293
ProteinLength	1-502 aa
Form	Lyophilized from sterile 25mM Tris, 0.15M NaCl, pH 7.5.
Bio-activity	Measured by its ability to cleave a fluorogenic substrate, 4-Methylumbelliferyl phosphate (4-MUP). The specific activity is > 50, 000 pmoles/min/μg.
Molecular Mass	The recombinant human ALPL consists of 496 amino acids and predicts a molecular mass of 55 kDa. As a result of glycosylation, rhALPL migrates as approximately 65 kDa band in SDS-PAGE under reducing conditions.
Endotoxin	< 1.0 EU per μg protein as determined by the LAL method.
Purity	> 95 % as determined by SDS-PAGE
Storage	Store it under sterile conditions at -20°C to -80°C upon receiving. Recommend to aliquot the protein into smaller quantities for optimal storage. Avoid repeated freeze-thaw cycles.

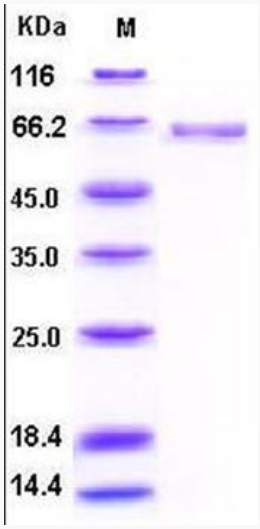
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Reconstitution	It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.

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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SDS-PAGE	

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