Recombinant Mouse Alpl Protein, His-tagged

Cat. No. Alpl-977M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant mouse Alpl (BAH03518.1) (Met1-Ser502) was expressed with a polyhistidine tag at the C-terminus.
Species	Mouse
Source	HEK293
ProteinLength	1-502 a.a.
Predicted N Terminal	Phe 18
Form	Lyophilized from sterile PBS, pH 7.4, 5%~8% trehalose and mannitol.
Molecular Mass	The recombinant mouse Alpl consists 496 amino acids and predicts a molecular mass of 55 kDa.
Endotoxin	< 1.0 EU per μg of the protein as determined by the LAL method.
Purity	>95 % as determined by SDS-PAGE.
Stability	Samples are stable for up to twelve months from date of receipt at -70ºC.
Storage	Store it under sterile conditions at -20ºC~-70ºC. It is recommended that the protein be aliquoted 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 0.25 ug/ul. Centrifuge the vial at 4℃ before opening to recover the entire contents.

GENE INFORMATION

Gene Name	Alpl alkaline phosphatase, liver/bone/kidney [Mus musculus]
Official Symbol	Alpl
Synonyms	ALPL; alkaline phosphatase, liver/bone/kidney; alkaline phosphatase, tissue-nonspecific isozyme; alkaline phosphatase 2, liver; Akp2; TNAP; Akp-2; APTNAP; TNSALP;
Gene ID	11647
mRNA Refseq	NM_007431
Protein Refseq	NP_031457
MIM	
UniProt ID	
Pathway	Endochondral Ossification, organism-specific biosystem; Folate biosynthesis, organism-specific biosystem; Folate biosynthesis, conserved biosystem; Metabolic pathways, organism-specific biosystem; TNF-alpha NF-kB Signaling Pathway, organism-specific biosy
Function	alkaline phosphatase activity; alkaline phosphatase activity; catalytic activity; hydrolase activity; metal ion binding; phosphatase activity;

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