

Recombinant Cattle ALPL Protein, His-tagged

Cat. No. ALPL-123C **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Cattle ALPL Protein (Leu18-Arg335) with N-His tag was expressed in E. coli.
Species	Cattle
Source	E.coli
ProteinLength	Leu18-Arg335
Description	Alkaline phosphatase that metabolizes various phosphate compounds and plays a key role in skeletal mineralization and adaptive thermogenesis.
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 39.2 kDa Accurate Molecular Mass: 42 kDa
Purity	> 90%
Applications	Positive Control; Immunogen; SDS-PAGE; WB.
Stability	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37 centigrade for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.

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Storage	Avoid repeated freeze/thaw cycles. Store at 2-8 centigrade for one month. Aliquot and store at -80 centigrade for 12 months.
Storage Buffer	PBS, pH7.4, containing 0.01% SKL, 1 mM DTT, 5% Trehalose and Proclin300.
Reconstitution	Reconstitute in sterile water to a concentration of 0.1-1.0 mg/mL. Do not vortex.

GENE INFORMATION

Gene Name	ALPL alkaline phosphatase, biomineralization associated [Bos taurus (cattle)]
Official Symbol	ALPL
Synonyms	ALPL; alkaline phosphatase, biomineralization associated; TNAP; TNS-AP; alkaline phosphatase, tissue-nonspecific isozyme; AP-TNAP; TNSALP; alkaline phosphatase liver/bone/kidney isozyme; alkaline phosphatase, liver/bone/kidney; liver/bone/kidney isozyme; phosphoamidase; phosphocreatine phosphatase; EC 3.1.3.1; EC 3.9.1.1
Gene ID	280994
mRNA Refseq	NM_176858
Protein Refseq	NP_789828
UniProt ID	P09487

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