

Recombinant Mouse Alpl2 Protein, His&GST-tagged

Cat. No. Alpl2-126M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse Alpl2 Protein (Val19-Ser502) with N-His&GST tag was expressed in E. coli.
Species	Mouse
Source	E.coli
ProteinLength	Val19-Ser502
Description	Enables alkaline phosphatase activity. Predicted to be involved in dephosphorylation. Located in myofibril. Is expressed in early conceptus; intestine; and testis. Human ortholog(s) of this gene implicated in inflammatory bowel disease. Orthologous to human ALPG (alkaline phosphatase, germ cell); ALPI (alkaline phosphatase, intestinal); and ALPP (alkaline phosphatase, placental).
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 82.6 kDa Accurate Molecular Mass: 83 kDa
Purity	> 80%
Applications	Positive Control; Immunogen; SDS-PAGE; WB.
Stability	The thermal stability is described by the loss rate. The loss rate was determined by

 Tel: 1-631-559-9269 1-516-512-3133

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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.

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

20mM Tris, 150mM NaCl, pH8.0, containing 1mM EDTA, 1mM DTT, 0.01% SKL, 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

Alppl2 alkaline phosphatase, placental-like 2 [Mus musculus (house mouse)]

Official Symbol

Alppl2

Synonyms

ALPPL2; alkaline phosphatase, placental-like 2; embryonic-type alkaline phosphatase; alkaline phosphatase 5; embryonic alkaline phosphatase; EAP; Akp5; C77216; D1Ert816e

Gene ID

11650

mRNA Refseq

NM_007433

Protein Refseq

NP_031459

UniProt ID

P24823

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