



AVISCERA BIOSCIENCE

Product Information

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| Code | ALPL-1000 |
| Name | ALPL (Human), Rec. |
| Lot No. | |
| Size | 1000 µg |
| Species | Human |
| Sequence | Leu18-Ser502 |
| Protein ID | NP_000469 |
| Gene ID | NM_000478 |
| MW | 65 KD (glycosylated) in SDS-PAGE gel under reduce condition |
| Tag | His tag on C terminus |
| Source | Human cells |
| Purity | >95% in SDS- PAGE gel lyophilized |
| Formulation | form without preservatives |
| Carry | Free |
| Storage | -70° C |
| Reconstitution | 1000 µl |

Human Alkaline Phosphatase, Tissue-nonspecific Isozyme (ALPL) Rec. Alternative name(s): Alkaline phosphatase bone/Liver/Kidney isozyme

Description

A DNA sequence encoding the human Alkaline Phosphatase (Leu¹⁸-Ser⁵⁰²) with polyhistidine tag on the C-Terminus was expressed in human HEK293 cells. The recombinant human ALPL predicts a molecular mass of 55 kDa. As a result of glycosylation, recombinant human ALPL migrates as approximately 65 kDa band in SDS-PAGE under reducing conditions.

Formulation

Lyophilized 1000 µg human ALPL in 0.2 µM filtered solution of 20mM HEPES, 150mM NaCl, 2mM MgSO₄, 0.1mM ZnCl₂, pH 7.5. Carry free.

Endotoxin Levels

< 1.0 EU per 1 µg of the protein by the LAL method.

Bioactivity

Measured by its ability to cleave a fluorogenic substrate, 4-Methylumbelliferyl phosphate (4-MUP). The specific activity is > 50,000 pmoles/min/µg.

Reconstitution & Storage

Add 1000 µl of 0.2 µM filtered deionized water to the vial to prepare a working stock solution at 1000 µg/mL. Allow to set at least 30 minutes at 4° C, mix well.

Store lyophilized protein at -20° C or -70° C. Lyophilized protein is stable for up to 6 months from date of receipt at -20° C to -70° C. Upon reconstitution, this protein can be stored at -20° C for a few weeks or at -70° C in a manual defrost freezer for long term storage (six months). Aliquot reconstituted protein to avoid repeated freezing / thawing cycles.

Sequence: Human ALPL (Leu18-Ser502)

ORDER INFORMATION
AVISCERA BIOSCIENCE, INC.
2348 Walsh Ave. Suite C
Santa Clara, CA 95051
USA
Tel: (408) 982 0300
Fax: (408) 982 0301
Email:
Sales@AvisceraBioscience.com
www.AvisceraBioscience.com

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