

Recombinant Human ALPI Protein, MYC/DDK-tagged, C13 and N15-labeled

Cat. No. ALPI-024H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	ALPI MS Standard C13 and N15-labeled recombinant protein (NP_001622) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	There are at least four distinct but related alkaline phosphatases: intestinal, placental, placental-like, and liver/bone/kidney (tissue non-specific). The intestinal alkaline phosphatase gene encodes a digestive brush-border enzyme. This enzyme is a component of the gut mucosal defense system and is thought to function in the detoxification of lipopolysaccharide, and in the prevention of bacterial translocation in the gut.
Molecular Mass	56.81 kDa
AA Sequence	MQGPWVLLLLGLRLQLSLGVIPAEENPAFWNRQAAEALDAAKKLQPIQKVAKNLILF LGDGLGVPTVTATRILKGQKNGKLGPEPLAMDRFPYLALSKTYNVDRQVPDSAATA TAYLCGVKANFQTIGLSAAARFNQCNTTRGNEVISVMNRAKQAGKSVGVTTRVQ HASPAGTYAHTVNRNWYSDADMPASARQEGCQDIATQLISNMDIDVILGGGRKYM PMGTPDPEYPADASQNGIRLDGKNLVQEWLAKHQGAWYVWNRTLMQASLDQSV THLMGLFEPGDTKYEIHRDPTLDPSLMEMTEAALRLLSRNPRGFYLFVEGGRIDHGH HEGVAYQALTEAVMFDDAIERAGQLTSEEDTLTLVTADHSHVFSFGGYTLRGSSIFG

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LAPSKAQDSKAYTSILYGNGPGYVFNSGVRPDVNESESGSPDYQQQAAVPLSSETH
GGEDVAVFARGPQAHLVHGVQEQS FVAHVMAFAACLEPYTACDLAPPACTTDAAH
PVAASLPLLAGTLLLLGASAAPTRTRPLEQKLISEEDLAANDILDYKDDDDKV

Purity > 80% as determined by SDS-PAGE and Coomassie blue staining

Stability Stable for 3 months from receipt of products under proper storage and handling conditions.

Storage Store at -80 centigrade. Avoid repeated freeze-thaw cycles.

Concentration 50 µg/mL as determined by BCA

Storage Buffer 100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

Gene Name ALPI alkaline phosphatase, intestinal [Homo sapiens (human)]

Official Symbol ALPI

Synonyms ALPI alkaline phosphatase, intestinal; IAP; intestinal-type alkaline phosphatase; Kasahara isozyme; alkaline phosphomonoesterase; glycerophosphatase; intestinal alkaline phosphatase; EC 3.1.3.1

Gene ID 248

mRNA Refseq NM_001631

Protein Refseq NP_001622

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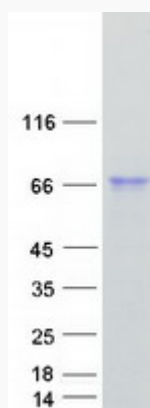
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MIM 171740

UniProt ID P09923

SDS-PAGE



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