

# Recombinant Full Length Human ALPI Protein, C-Flag-tagged

Cat. No. ALPI-69HFL Lot. No. (See product label)

## SPECIFICATION

<b>Product Overview</b>	Recombinant Full Length Human ALPI Protein, fused to Flag-tag at C-terminus, was expressed in Mammalian cells.
<b>Species</b>	Human
<b>Source</b>	Mammalian Cells
<b>Description</b>	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.
<b>Form</b>	25 mM Tris HCl, pH 7.3, 100 mM glycine, 10% glycerol.
<b>Molecular Mass</b>	54.7 kDa
<b>AA Sequence</b>	<p>MQGPWVLLLLGLRLQLSLGVIPAEENPAFWNRQAAEALDAAKQLQPIQKVAKNLILF            LGDGLGVPTVTA TRILKGQKNGKLGPEPLAMDRFPYLALSKTYNVDRQVPDSAAT            ATAYLCGVKANFQTIGLSAAARFNQC NTRGNEVISVMNRAKQAGKSVGVTTRV            QHASPAGTYAHTVNRNWYSADAMPASARQEGCQDIATQLI SNMDIDVILGGGRKY            MFPMGTPDPEYPADASQNGIRLDGKNLVQEWLAKHQGAWYVWNRTELMQASLDQ            S VTHLMGLFEPGDTKYEIHRDPTLDPSLMEMTEAALRLLSRNPRGFYLFVEGGRIDH            GHHEGVAYQALTEA VMFDDAIERAGQLTSEEDTLTLVTADHSHVFSFGGYTLRGSS</p>

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IFGLAPSKAQDSKAYTSILYGNPGYVF NSGVRPDVNESESGSPDYQQQAAVPLSS  
 ETHGGEDVAVFARGPQAHLVHGVQEQS FVAHVMAFAACLEPY  
 TACDLAPPACTTDA AHPVAASLPLLAGTLLLLGASAAPTRTRPLEQKLISEEDLAANDI  
 LDYKDDDDKV

<b>Purity</b>	> 80% as determined by SDS-PAGE and Coomassie blue staining.
<b>Stability</b>	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
<b>Storage</b>	Store at -80 centigrade.
<b>Concentration</b>	>50 ug/mL as determined by microplate BCA method.
<b>Preparation</b>	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
<b>Protein Families</b>	Druggable Genome
<b>Protein Pathways</b>	Folate biosynthesis, Metabolic pathways
<b>Full Length</b>	Full L.

## GENE INFORMATION

<b>Gene Name</b>	ALPI alkaline phosphatase, intestinal [ Homo sapiens (human) ]
<b>Official Symbol</b>	ALPI
<b>Synonyms</b>	IAP

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Gene ID	248
mRNA Refseq	NM_001631.5
Protein Refseq	NP_001622.2
MIM	171740
UniProt ID	P09923



Coomassie blue staining of purified ALPI protein.

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