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

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

SPECIFICATION

Product Overview	Recombinant Full Length Human ALPI Protein, fused to Flag-tag at C-terminus, was expressed in Mammalian cells.
Species	Human
Source	Mammalian Cells
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.
Form	25 mM Tris HCl, pH 7.3, 100 mM glycine, 10% glycerol.
Molecular Mass	54.7 kDa
AA Sequence	MQGPWVLLLLGLRLQLSLGVIPAEEENPAFWNRQAAEALDAAKKLQPIQKVAKNLILF LGDGLGVPTVTA TRILKGQKNGKLGPETPLAMDRFPYLALSKTYNVDRQVPDSAAT ATAYLCGVKANFQTIGLSAAARFNQC NTTRGNEVISVMNRAKQAGKSVGVVTTTRV QHASPAGTYAHTVNRNWYSDADMPASARQEGCQDIATQLI SNMDIDVILGGGRKY MFPMGTPDPEYPADASQNGIRLDGKNLVQEWLAKHQGAWYVWNRTELMQASLDQ S VTHLMGLFEPGDTKYEIHRDPTLDPSLMEMTEAALRLLSRNPRGFYLFVEGGRIDH GHHEGVAYQALTEA VMFDDAIERAGQLTSEEDTLTLVTADHSHVFSFGGYTLRGSS

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

GENE INFORMATION

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

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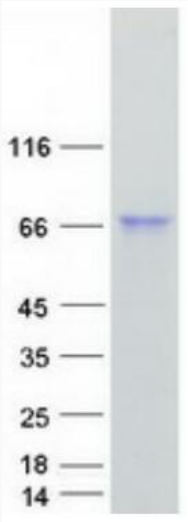
Gene ID	248
mRNA Refseq	NM_001631.5
Protein Refseq	NP_001622.2
MIM	171740
UniProt ID	P09923



Coomassie blue staining of purified ALPI protein.

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