

Product datasheet for TP324178

Alkaline Phosphatase (ALPI) (NM_001631) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human alkaline phosphatase, intestinal (ALPI)
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC224178 representing NM_001631 Red =Cloning site Green =Tags(s) MQGPWVLLLLGLRLQLSLGVIPAEENPAFWNRQAAEALDAAKKLQPIQKVAKNLILFLGDGLGVPTVTA TRILKGQKNGKLGPEPLAMDRFPYLALSPTYNVDRQVPDSAATATAYLCGVKANFQTIGLSAAARFNQC NTTRGNEVISVMNRAKQAGKSVGWTTTRVQHASPAGTYAHTVNRNWYSDADMPASARQEGCQDIATQLI SNMDDIVILGGGRKYMFPMTDPPEYPADASQNGIRLDGKNLVQEWLAKHQGAWYVWNRTELMQASLDQS VTHLMGLFEPGDTKYEIHRDPTLDPPLMEMTEAALRLLSRNPRGFYLFVEGGRIDHGHHEGVAYQALTEA VMFDDAIERAGQLTSEEDTLTLVTADHSHVFSFGGYTLRGSSIFGLAPSKAQDSKAYTSILYGNPGYVF NSGVRPDVNESESGSPDYQQAAVPLSSETHGGEDVAVFARGPQAHLVHGVQEQSFVAHVMAFAACLEPY TACDLAPPACTTDAHPVAASLPLLAGTLLLLGASAA TRTRPLEQKLISEEDLAANDILDYKDDDDKV
Tag:	C-Myc/DDK
Predicted MW:	54.7 kDa
Concentration:	>50 ug/mL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol
Preparation:	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Storage:	Store at -80°C.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	NP_001622
Locus ID:	248



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UniProt ID: [P09923](#), [A0A024R4A2](#)

RefSeq Size: 2516

Cytogenetics: 2q37.1

RefSeq ORF: 1584

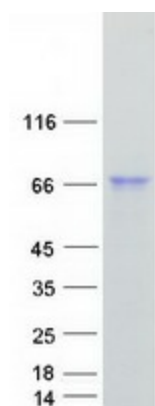
Synonyms: IAP

Summary: 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. [provided by RefSeq, Dec 2014]

Protein Families: Druggable Genome

Protein Pathways: Folate biosynthesis, Metabolic pathways

Product images:



Coomassie blue staining of purified ALPI protein (Cat# TP324178). The protein was produced from HEK293T cells transfected with ALPI cDNA clone (Cat# [RC224178]) using MegaTran 2.0 (Cat# [TT210002]).