

## ALPI Protein, Human (HEK293, Fc)

Cat. No.:	HY-P72821
Synonyms:	Intestinal-type alkaline phosphatase; IAP; ALPI; Alkaline Phosphatase
Species:	Human
Source:	HEK293
Accession:	P09923 (M1-D503)
Gene ID:	248
Molecular Weight:	90-95 kDa

### PROPERTIES

#### AA Sequence

MQGPWVLLLL	GLRLQLSLGV	IPAEENPAF	WNRQAAEALD
AAKKLQPIQK	VAKNLIILFLG	DGLGVPTVTA	TRILKGQKNG
KLGPETPLAM	DRFPYLALSK	TYNVDRQVPD	SAATATAYLC
GVKANFQTIG	LSAAARFNQC	NTTRGNEVIS	VMNRAKQAGK
SVGVTTRV	QHASPAGTYA	HTVNRNWYSD	ADMPASARQE
GCQDIATQLI	SNMDIDVILG	GGRKYMFPMG	TPDPEYPADA
SQNGIRLDGK	NLVQEWLAKH	QGAWYVWNRT	ELMQASLDQS
VTHLMGLFEP	GDTKYEIHRD	PTLDPSLMEM	TEAALRLLSR
NPRGFYLFVE	GGRIDHGHHE	GVAYQALTEA	VMFDDAIERA
GQLTSEEDTL	TLVTADHSHV	FSFGGYTLRG	SSIFGLAPSK
AQDSKAYTSI	LYGNPGYVF	NSGVRPDVNE	SESGSPDYQQ
QAAVPLSSET	HGGEDVAVFA	RGPQAHLVHG	VQEQS FVAHV
MAFAACLEPY	TACDLAPPAC	TTD	

<b>Biological Activity</b>	The enzyme activity of this recombinant protein is testing in progress, we cannot offer a guarantee yet.
<b>Appearance</b>	Lyophilized powder.
<b>Formulation</b>	Lyophilized from a 0.2 µm filtered solution of PBS, pH 7.4. Normally 5% - 8% trehalose, mannitol and 0.01% Tween 80 are added as protectants before lyophilization.
<b>Endotoxin Level</b>	<1 EU/µg, determined by LAL method.
<b>Reconstitution</b>	It is not recommended to reconstitute to a concentration less than 100 µg/mL in ddH <sub>2</sub> O.
<b>Storage &amp; Stability</b>	Stored at -20°C for 2 years. After reconstitution, it is stable at 4°C for 1 week or -20°C for longer (with carrier protein). It is recommended to freeze aliquots at -20°C or -80°C for extended storage.
<b>Shipping</b>	Room temperature in continental US; may vary elsewhere.

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## DESCRIPTION

### Background

ALPI protein serves as an alkaline phosphatase with the capacity to hydrolyze various phosphate compounds.

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**Caution: Product has not been fully validated for medical applications. For research use only.**

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