

## ALPI Protein, Human (His)

<b>Cat. No.:</b>	HY-P71692
<b>Synonyms:</b>	Alkaline phosphatase intestinal; Glycerophosphatase; IAP
<b>Species:</b>	Human
<b>Source:</b>	E. coli
<b>Accession:</b>	P09923 (26E-500C)
<b>Gene ID:</b>	248
<b>Molecular Weight:</b>	Approximately 55.5 kDa

### PROPERTIES

#### AA Sequence

ENPAFWNRQA	A E A L D A A K K L	Q P I Q K V A K N L	I L F L G D G L G V
P T V T A T R I L K	G Q K N G K L G P E	T P L A M D R F P Y	L A L S K T Y N V D
R Q V P D S A A T A	T A Y L C G V K A N	F Q T I G L S A A A	R F N Q C N T T R G
N E V I S V M N R A	K Q A G K S V G V V	T T T R V Q H A S P	A G T Y A H T V N R
N W Y S D A D M P A	S A R Q E G C Q D I	A T Q L I S N M D I	D V I L G G G R K Y
M F P M G T P D P E	Y P A D A S Q N G I	R L D G K N L V Q E	W L A K H Q G A W Y
V W N R T E L M Q A	S L D Q S V T H L M	G L F E P G D T K Y	E I H R D P T L D P
S L M E M T E A A L	R L L S R N P R G F	Y L F V E G G R I D	H G H H E G V A Y Q
A L T E A V M F D D	A I E R A G Q L T S	E E D T L T L V T A	D H S H V F S F G G
Y T L R G S S I F G	L A P S K A Q D S K	A Y T S I L Y G N G	P G Y V F N S G V R
P D V N E S E S G S	P D Y Q Q Q A A V P	L S S E T H G G E D	V A V F A R G P Q A
H L V H G V Q E Q S	F V A H V M A F A A	C L E P Y T A C D L	A P P A C

**Biological Activity** The enzyme activity of this recombinant protein is testing in progress, we cannot offer a guarantee yet.

**Appearance** Lyophilized powder.

**Formulation** Lyophilized after extensive dialysis against solution in Tris-based buffer, 50% glycerol.

**Endotoxin Level** <1 EU/μg, determined by LAL method.

**Reconstitution** It is not recommended to reconstitute to a concentration less than 100 μg/mL in ddH<sub>2</sub>O.

**Storage & Stability** 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.

**Shipping** Room temperature in continental US; may vary elsewhere.

### DESCRIPTION

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**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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