

Alkaline Phosphatase/ALPP Protein, Human (HEK293, His)

Cat. No.:	HY-P7487
Synonyms:	rHuAlkaline Phosphatase, His; ALPP; PLAP; ALP; AKP2; Alkaline Phosphatase
Species:	Human
Source:	HEK293
Accession:	P05187 (I23-D506)
Gene ID:	250
Molecular Weight:	60-85 kDa

PROPERTIES

AA Sequence

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

Biological Activity	The enzyme activity of this recombinant protein is testing in progress, we cannot offer a guarantee yet.
Appearance	Solution.
Formulation	Supplied as a 0.2 µm filter solution of PBS, pH 7.4.
Endotoxin Level	<1 EU/µg, determined by LAL method.
Reconstitution	N/A
Storage & Stability	Stored at -80°C for 1 year. It is stable at -20°C for 3 months after opening. It is recommended to freeze aliquots at -80°C for extended storage. Avoid repeated freeze-thaw cycles.
Shipping	Shipping with dry ice.

DESCRIPTION

Background

Alkaline phosphatases [ALP; orthophosphoric monoester phosphohydrolase (alkaline optimum) EC 3.1.3.1] are plasma membrane-bound glycoproteins. These enzymes are widely distributed in nature, including prokaryotes and higher eukaryotes, with the exception of some higher plants. Alkaline phosphatase forms a large family of dimeric enzymes, usually confined to the cell surface hydrolyzes various monophosphate esters at a high pH optimum with release of inorganic phosphate ^[1].

REFERENCES

[1]. Ujjawal Sharma, et al. Alkaline Phosphatase: An Overview. Indian J Clin Biochem. 2014 Jul; 29(3): 269–278.

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

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA