

## Alkaline Phosphatase/ALPG Protein, Human (Biotinylated, HEK293, His-Avi)

Cat. No.:	HY-P700951
Synonyms:	Alkaline Phosphatase; ALP-1; Alkaline phosphatase, placental-like; GCAP; PLAP-like; ALPG; ALPPL; ALPPL2
Species:	Human
Source:	HEK293
Accession:	P10696 (I20-D503)
Gene ID:	251
Molecular Weight:	56-70 kDa

### PROPERTIES

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 0.22µm filtered solution of 25mM Tris, 100mM NaCl, 1mM MgCl <sub>2</sub> , pH 7.5.
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	The Alkaline Phosphatase/ALPG protein is an enzyme that possesses the capability to hydrolyze a range of phosphate compounds. It exhibits the ability to break down various phosphate molecules through its enzymatic activity. This protein acts as an alkaline phosphatase, catalyzing the hydrolysis of phosphate esters in an alkaline environment. Its enzymatic activity allows it to cleave phosphate groups from molecules such as nucleotides, proteins, and phospholipids, rendering them inactive. This versatile enzyme plays a vital role in various physiological processes, including bone mineralization, cellular signaling, and metabolism.
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**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](mailto:tech@MedChemExpress.com)

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