Biotinylated Human Alkaline Phosphatase (Germ type) /ALPG Protein (active dimer)

Catalog # ALPG-HB001 Form: Lyophilized

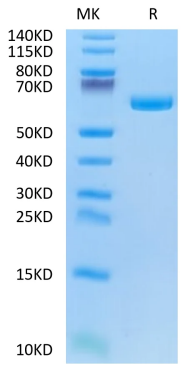
Product Details

Product description	Recombinant Biotinylated Human Alkaline Phosphatase (Germ type) /ALPG Protein is expressed in HEK293 cells with a His tag and Avi tag at the C-terminus. It contains amino acid residues Ile20-Asp503 (UniProt accession: P10696).
Molecular aliases	Alkaline Phosphatase; ALP-1; Alkaline phosphatase, placental-like; GCAP; PLAP-like; ALPG; ALPPL; ALPPL2
Expression system	HEK293
Molecular weight	The protein has a predicted MW of 55.48 kDa. Due to glycosylation, the protein migrates to 56-70 kDa based on Bis-Tris PAGE result.
Purity	> 95% as determined by Bis-Tris PAGE > 90% as determined by HPLC
Endotoxin	Less than 1 EU per μg by the LAL method.
Formulation	Lyophilized from 0.22μm filtered solution in 25mM Tris, 100mM NaCl, 1mM MgCl2 (pH 7.5). Normally 8% trehalose is added as protectant before lyophilization.
State	Lyophilized
Storage	-20 to -80°C for 12 months as supplied from date of receipt. -80°C for 3 months after reconstitution. Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.
Reconstitution	Dissolve the lyophilized protein in distilled water. Please refer to the Certificate of Analysis for detailed instructions.
Activity validation	Activity verified

Protein Integrity

Bis-Tris PAGE

Representative product-page data



Reported result

Biotinylated Human Alkaline Phosphatase (Germ type) on Bis-Tris PAGE under reduced condition. The purity is greater than 95%.