Mouse Alkaline Phosphatase (Germ type) /ALPG Protein

Cat. No. APE-MM103

Description

Source	Recombinant Mouse Alkaline Phosphatase (Germ type) /ALPG Protein is expressed from HEK293 with His tag at the C-Terminus.
	It contains Val19-Ser502.
Accession	P24823
Molecular Weight	The protein has a predicted MW of 53.64 kDa. Due to glycosylation, the protein migrates to 55-70 kDa based on Bis-Tris PAGE result.
Endotoxin	Less than 1EU per μg by the LAL method.
Purity	> 95% as determined by Bis-Tris PAGE
	> 95% as determined by HPLC

Formulation and Storage

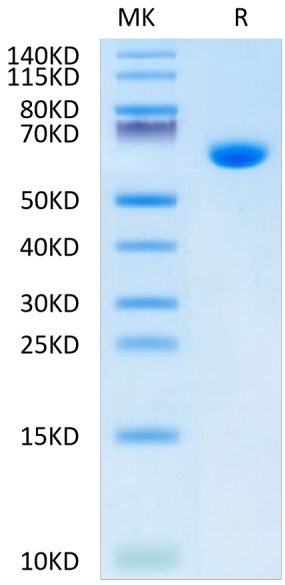
Formulation	Lyophilized from 0.22μm filtered solution in 25mM Tris,100mM NaCl, 1mM MgCl2 (pH 7.5). Normally 8% trehalose is added as protectant before lyophilization.
Reconstitution	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 μg/ml is recommended. Dissolve the lyophilized protein in distilled water.
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.

Background

Alkaline phosphatase can be considered "our favorite enzyme" for reasons apparent to those who diagnose and treat metabolic bone diseases or who study skeletal biology. Few might know, however, that alkaline phosphatase likely represents the most frequently assayed enzyme in all of medicine. Elevated activity in the circulation is universally recognized as a marker for skeletal or hepatobiliary disease.

Assay Data

Bis-Tris PAGE



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

SEC-HPLC

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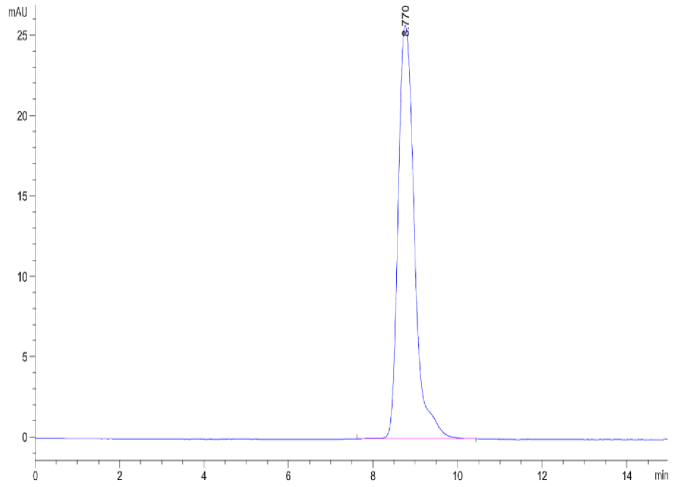
Assay Data



The purity of Mouse Alkaline Phosphatase (Germ type) is greater than 95% as determined by SEC-HPLC.