

Cynomolgus ALK-7/Activin RIC Protein

Cat. No. ALK-CM107

Description

Source	Recombinant Cynomolgus ALK-7/Activin RIC Protein is expressed from HEK293 with His tag at the C-terminus. It contains Gly25-Glu113.
Accession	A0A2K5VZP2
Molecular Weight	The protein has a predicted MW of 11.2 kDa. Due to glycosylation, the protein migrates to 20-40 kDa based on Bis-Tris PAGE result.
Endotoxin	Less than 0.1EU per μg by the LAL method.
Purity	>95% as determined by Bis-Tris PAGE >95% as determined by HPLC

Formulation and Storage

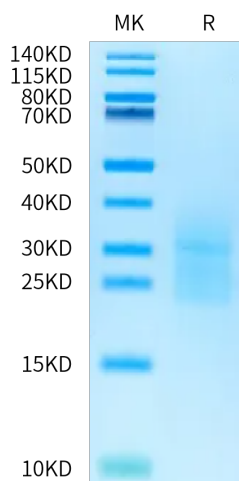
Formulation	Supplied as 0.22 μm filtered solution in 20mM Tris, 150mM NaCl (pH 7.5).
Storage	Valid for 12 months from date of receipt when stored at -80°C . Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.

Background

Arterial stiffness is an important feature of diabetic macrovascular complications. Activin receptor-like kinase 7 (ALK7), a member of type I transforming growth factor- β (TGF- β) receptors, is correlated with pathogenic risks of type 2 diabetes mellitus and cardiovascular diseases and may be involved in cardiovascular remodeling.

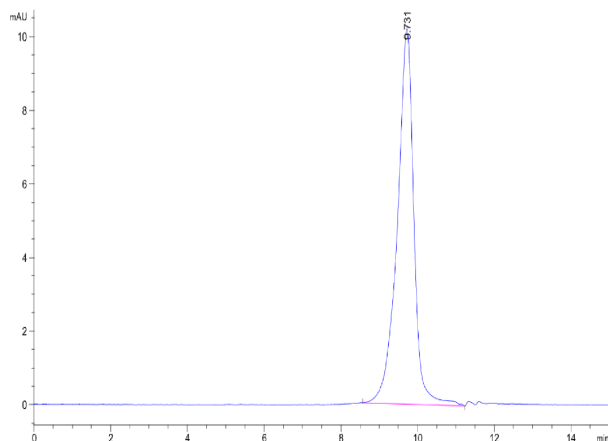
Assay Data

Bis-Tris PAGE



Cynomolgus ALK-7 on Bis-Tris PAGE under reduced condition. The purity is greater than 95%.

SEC-HPLC



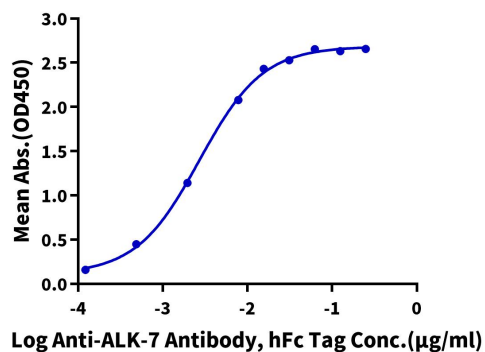
The purity of Cynomolgus ALK-7 is greater than 95% as determined by SEC-HPLC.

Assay Data

ELISA Data

Cynomolgus ALK-7, His Tag ELISA

0.05µg Cynomolgus ALK-7, His Tag Per Well



Immobilized Cynomolgus ALK-7, His Tag at 0.5µg/ml (100µl/well) on the plate. Dose response curve for Anti-ALK-7 Antibody, hFc Tag with the EC50 of 2.7ng/ml determined by ELISA (QC Test).