

Rat ALK-7/Activin RIC Protein



Cat. No. ALK-RM107

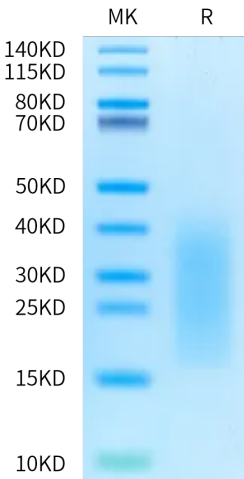
Description	
Source	Recombinant Rat ALK-7/Activin RIC Protein is expressed from HEK293 with His tag at the C-terminus. It contains Leu26-Glu113.
Accession	P70539
Molecular Weight	The protein has a predicted MW of 11.13 kDa. Due to glycosylation, the protein migrates to 15-40 kDa based on Bis-Tris PAGE result.
Endotoxin	Less than 1 EU 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.	

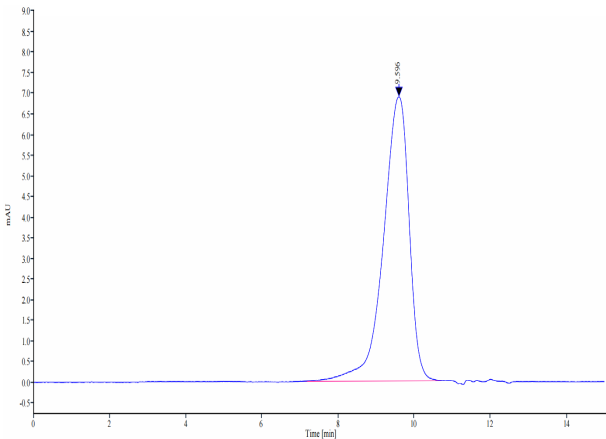
Assay Data

Bis-Tris PAGE



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

SEC-HPLC

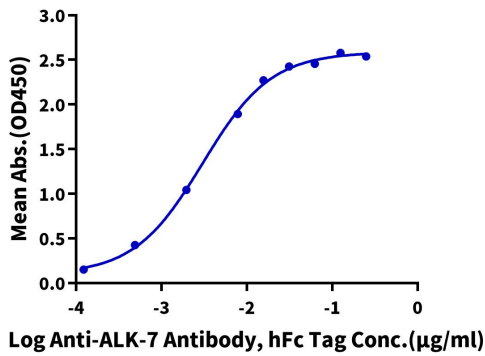


The purity of Rat ALK-7 is greater than 95% as determined by SEC-HPLC.

Assay Data

ELISA Data

Rat ALK-7, His Tag ELISA
0.05µg Rat ALK-7, His Tag Per Well



Immobilized Rat 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 3.0ng/ml determined by ELISA.