

Human ALK-7 Protein

Cat. No. ALK-HM107



Description

Source	Recombinant Human ALK-7 Protein is expressed from HEK293 with His tag at the C-terminus. It contains Glu21-Glu113.
Accession	Q8NER5-1
Molecular Weight	The protein has a predicted MW of 11.11 kDa. Due to glycosylation, the protein migrates to 20-40 kDa based on Tris-Bis PAGE result.
Endotoxin	Less than 1EU per µg by the LAL method.
Purity	> 95% as determined by Tris-Bis PAGE > 95% as determined by HPLC

Formulation and Storage

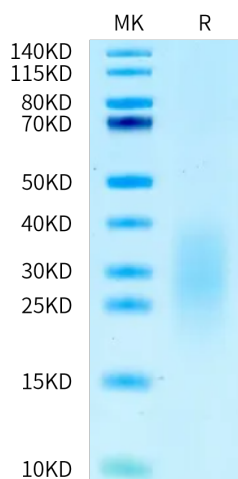
Formulation	Supplied as 0.22 µm filtered solution in 20mM Tris, 150mM NaCl (pH 7.5).
Storage	Valid for 12 months from date of receipt when stored at -80°C. Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.

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.

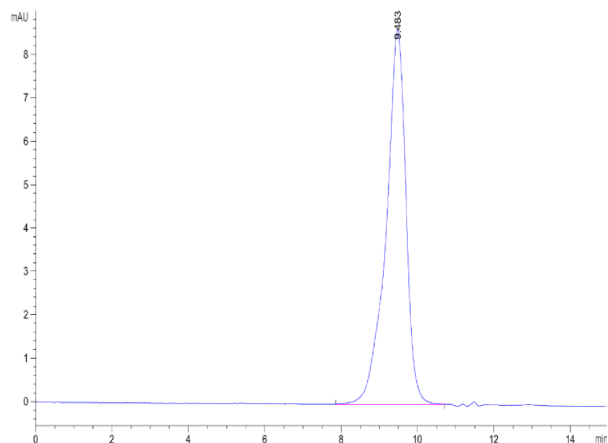
Assay Data

Tris-Bis PAGE



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

SEC-HPLC



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