Human ACVR1/Activin RI Protein

Cat. No. ALK-HM202

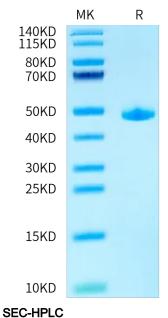
κλιτυς

Description Recombinant Human ACVR1/Activin RI Protein is expressed from HEK293 with hFc tag at the C-terminus. Source It contains Met21-Glu123. Accession Q04771 The protein has a predicted MW of 37.43 kDa. Due to glycosylation, the protein migrates to 45-55 kDa based on Molecular Weight Bis-Tris PAGE result. Endotoxin Less than 1EU per µg by the LAL method. > 95% as determined by Bis-Tris PAGE Purity > 95% as determined by HPLC Formulation and Storage Lyophilized from 0.22 µm filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant before Formulation lyophilization. Centrifuge the tube before opening. Reconstituting to a concentration more than 100 µg/ml is recommended. Reconstitution Dissolve the lyophilized protein in distilled water. -20 to -80°C for 12 months as supplied from date of receipt.-80°C for 3-6 months after reconstitution.2-8°C for 2-7 Storage days after reconstitution. Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles. Background

Activin A receptor type I (ACVR1), a transmembrane serine/threonine kinase, belongs to the transforming growth factor-β superfamily, which signals via phosphorylating the downstream effectors and SMAD transcription factors. Genetic variation in ACVR1 has been associated with a rare disease, fibrodysplasia ossificans progressive, and its somatic alteration is reported in rare cancer diffuse intrinsic pontine glioma.

Assay Data

Bis-Tris PAGE



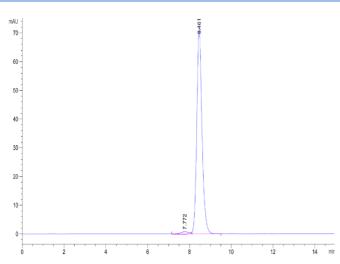
Human ACVR1 on Bis-Tris PAGE under reduced condition. The purity is greater than 95%.

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The purity of Human ACVR1 is greater than 95% as determined by SEC-HPLC.