

For Research Use Only

# Recombinant Human ACVRL1 protein (rFc Tag)



Catalog Number: Eg2132

## Basic Information

**Species:**  
Human

**Purity:**  
>90 %, SDS-PAGE

**Tag:**  
rFc Tag

## Technical Specifications

**Purity:**

>90 %, SDS-PAGE

**Endotoxin Level:**

<0.1 EU/  $\mu$ g protein, LAL method

**Source:**

HEK293-derived Human ACVRL1 protein Asp22-Gln118 (Accession# P37023) with a rabbit IgG Fc tag at the C-terminus.

**GeneID:**

94

**Accession:**

P37023

**Predicted Molecular Mass:**

37.0 kDa

**SDS-PAGE:**

37-45 kDa, reducing (R) conditions

**Formulation:**

Lyophilized from 0.22  $\mu$ m filtered solution in PBS, pH 7.4. Normally 5% trehalose and 5% mannitol are added as protectants before lyophilization.

## Biological Activity

Not tested

## Storage and Shipping

**Storage:**

It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

- Until expiry date, -20°C to -80°C as lyophilized proteins.
- 3 months, -20°C to -80°C under sterile conditions after reconstitution.

**Shipping:**

The product is shipped at ambient temperature. Upon receipt, store it immediately at the recommended temperature.

## Reconstitution

Briefly centrifuge the tube before opening. Reconstitute at 0.1-0.5 mg/mL in sterile water.

## Background

ACVRL1 (also known as ALK1) is a type I cell-surface receptor for the TGF-beta superfamily of ligands. It shares with other type I receptors a high degree of similarity in serine-threonine kinase subdomains, a glycine- and serine-rich region (called the GS domain) preceding the kinase domain, and a short C-terminal tail. ACVRL1 is highly expressed in endothelial cells and has a critical role in the control of blood vessel development and repair (PMID: 8640225). Mutations in the ACVRL1 gene are associated with hemorrhagic telangiectasia type 2.

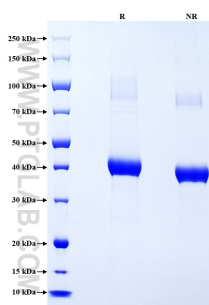
## References

1. D W Johnson. et al.(1996) Nat Genet.13(2):189-95.
2. Luca Vecchia.et al.(2013) Mini Rev Med Chem.13(10):1398-406.

## Synonyms

ACVRL1, Activin receptor like kinase 1, Activin receptor-like kinase 1, ACVRLK1, ALK 1

## Selected Validation Data



Purity of Recombinant Human ACVRL1 was determined by SDS-PAGE. The protein was resolved in an SDS-PAGE in reducing (R) and non-reducing (NR) conditions and stained using Coomassie blue.

For technical support and original validation data for this product please contact

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