

# Product Information

## Recombinant Anti-Human acvrl1 Antibody scFv Fragment

Cat. No.: **MOM-18270-S(P)**

This product is for research use only and is not intended for diagnostic use.

### Product Overview

Recombinant Mouse Antibody scFv Fragment is directed against Human ACVRL1, expressed in E. coli

### Antigen Description

On ligand binding, forms a receptor complex consisting of two type II and two type I transmembrane serine/threonine kinases. Type II receptors phosphorylate and activate type I receptors which autophosphorylate, then bind and activate SMAD transcriptional regulators. Receptor for TGF-beta. May bind activin as well.

### Specific Activity

Tested positive against native antigen.

### Target

ACVRL1

### Source

Mouse

### Species Reactivity

Human

### Type

scFv

### Expression Host

E. coli

### Purity

>97%, by SDS-PAGE under reducing conditions and visualized by silver stain.

### Applications

Suitable for use in ELISA, WB, Neut and most other immunological methods.

### Storage

Store the antibody (in aliquots) at -20°C. Avoid repeated freezing and thawing of samples.

## ANTIGEN GENE INFORMATION

### Gene Name

[ACVRL1 activin A receptor type II-like 1 \[ Homo sapiens \]](#)

### Official Symbol

ACVRL1

**Synonyms**

ACVRL1; activin A receptor type II-like 1; ACVRLK1, ORW2; serine/threonine-protein kinase receptor R3; ALK1; HHT; HHT2; activin receptor-like kinase 1; TGF-B superfamily receptor type I; activin A receptor, type II-like kinase 1; ORW2; SKR3; ALK-1; TSR-I; ACVRLK1

**Gene ID**

[94](#)

**mRNA Refseq**

[NM\\_000020](#)

**Protein Refseq**

[NP\\_000011](#)

**MIM**

[601284](#)

**UniProt ID**

P37023

**Chromosome Location**

12q11-q14

**Pathway**

ALK1 pathway, organism-specific biosystem; ALK1 signaling events, organism-specific biosystem; Id Signaling Pathway, organism-specific biosystem; TGF-beta Receptor Signaling Pathway, organism-specific biosystem;

**Function**

ATP binding; SMAD binding; activin binding; activin receptor activity, type I; contributes\_to activin receptor activity, type I; metal ion binding; nucleotide binding; protein binding; protein serine/threonine kinase activity; receptor activity; receptor signaling protein serine/threonine kinase activity; transforming growth factor beta binding; contributes\_to transforming growth factor beta receptor activity, type I; transforming growth factor beta-activated receptor activity; transmembrane receptor protein serine/threonine kinase activity;