

# Recombinant Human ACVRL1

**Cat. No.** ACVRL1-26593TH    **Lot. No.** (See product label)

## SPECIFICATION

<b>Product Overview</b>	Recombinant human ACVRL1 fragment was expressed by baculovirus in Sf9 insect cells using an N-terminal tag, 64kDa.
<b>Species</b>	Human
<b>Description</b>	This gene encodes 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. The encoded protein, sometimes termed ALK1, shares similar domain structures with other closely related ALK or activin receptor-like kinase proteins that form a subfamily of receptor serine/threonine kinases. Mutations in this gene are associated with hemorrhagic telangiectasia type 2, also known as Rendu-Osler-Weber syndrome 2.
<b>Biological activity</b>	The specific activity of ACVRL1-26593TH was determined to be 22 nmol /min/mg.
<b>Form</b>	Liquid
<b>Storage buffer</b>	Preservative: None Constituents: 25% Glycerol, 50mM Tris HCl, 150mM Sodium chloride, 0.25mM DTT, 0.1mM EGTA, 0.1mM EDTA, 0.1mM PMSF, pH 7.5
<b>Storage</b>	Shipped on dry ice. Upon delivery aliquot and store at -80oC. Avoid freeze / thaw cycles.
<b>Sequence</b>	Belongs to the protein kinase superfamily. TKL Ser/Thr protein kinase family. TGFB

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**Similarities** receptor subfamily.Contains 1 GS domain.Contains 1 protein kinase domain.

## 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;

**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;

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