

Recombinant Human ACVRL1

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

SPECIFICATION

Product Overview	Recombinant human ACVRL1 fragment was expressed by baculovirus in Sf9 insect cells using an N-terminal tag, 64kDa.
Species	Human
Description	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.
Biological activity	The specific activity of ACVRL1-26593TH was determined to be 22 nmol /min/mg.
Form	Liquid
Storage buffer	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
Storage	Shipped on dry ice. Upon delivery aliquot and store at -80oC. Avoid freeze / thaw cycles.
Sequence	Belongs to the protein kinase superfamily. TKL Ser/Thr protein kinase family. TGFB

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

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;

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA