

Recombinant Human ACVRL1 Protein, GST-tagged

Cat. No. ACVRL1-260H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human ACVRL1 full-length ORF (AAH42637, 22 a.a. - 503 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	Wheat Germ
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. [provided by RefSeq, Jul 2008]
Molecular Mass	78.76 kDa
AA Sequence	DPVKPSRGPLVTCTCESPHCKGPTCRGAWCTVVLVREEGRHPQEHRCGNLHRE LCRGRPTEFVNHYCCDSHLCNHNVS LVLEATQPPSEQPGTDGQLALILGPVLALLAL VALGVLGLWRVRRRQEKQRGLHSELGESSLILKASEQGDSMLGDLLSDCTTGSGS GLPFLVQRTVARQVALVECVGKGGRYGEVWRGLWHGESVAVKIFSSRDEQSWFRET EIYNTVLLRHDNILGFIASDMTSRNSSTQLWLITHYHEHGS LYDFLQRQTLEPHLALRL

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AVSAACGLAHLHVEIFGTQGKPAIAHRDFKSRNVLVKSNLQCCIALDLGLAVMHSQGS
DYLDIGNNPRVGTKRYMAPEVLDEQIRTDCFESYKWTDIWAFLVLWEIARRTIVNGI
VEDYRPPFYDVVPNDPSFEDMKKVVCVDQQTPTIPNRLAADPVLSGLAQMMRECW
YPNPSARLTALRIKKTLQKISNSPEKPKVIQ

Applications

Enzyme-linked Immunoabsorbent Assay
Western Blot (Recombinant protein)
Antibody Production
Protein Array

Notes Best use within three months from the date of receipt of this protein.

Storage Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.

Storage Buffer 50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

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](#)

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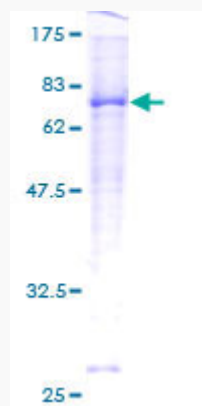
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Protein Refseq NP_000011

MIM 601284

UniProt ID P37023



12.5% SDS-PAGE Stained with Coomassie Blue.

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