

Recombinant Human ACVRL1 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. ACVRL1-1117H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	ACVRL1 MS Standard C13 and N15-labeled recombinant protein (NP_001070869) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
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.
Molecular Mass	56.1 kDa
AA Sequence	MTLGSPRKGLMLLMALVTQGDPVKPSRGPLVTCTCESPHCKGPTCRGAWCTVVL VREEGRHPQEHRGCGNLHRELGRPTEFVNHYCCDSHLCNHNVS LVLEATQPPS EQPGTDGQLALILGPVLALLALVALGVGLWHVRRRQEKQRGLHSELGESSLILKAS EQGDSMLGLDLLSDCTTGSGSGLPFLVQRTVARQVALVECVGKGGRYGEVWRGLW HGESVAVKIFSSRDEQSWFRETEIYNTVLLRHDNILGFIASDMTSRNSSTQLWLITHY

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HEHGSLYDFLQRQTLEPHLALRLAVSAACGLAHLHVEIFGTQGKPAIAHRDFKSRNV
LVKSNLQCCIALDLGLAVMHSQGS DYLDIGNNPRVGTKRYMAPEVLDEQIRTD CFESY
KWTDIWAFLVLWEIARRTIVNGIVEDYRPPFYDVVPNDPSFEDMKKVVCVDQQTPT
IPNRLAADPVLSGLAQMMREC WYPNPSARLTALRIKKT LQKISNSPEKPKVIQTRTRP
LEQKLISEEDLAANDILDYKDDDDKV

Purity > 80% as determined by SDS-PAGE and Coomassie blue staining

Stability Stable for 3 months from receipt of products under proper storage and handling conditions.

Storage Store at -80 centigrade. Avoid repeated freeze-thaw cycles.

Concentration 50 µg/mL as determined by BCA

Storage Buffer 100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

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

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_001077401](#)

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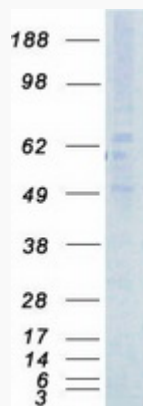
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Protein Refseq NP_001070869

MIM 601284

UniProt ID P37023

SDS-PAGE



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