

Recombinant Human ACVRL1 Protein, His-tagged

Cat. No. ACVRL1-090H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant human ACVRL1 protein with His tag was expressed in HEK293.
Species	Human
Source	HEK293
ProteinLength	503
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.
Form	Lyophilized
Molecular Mass	12.3 kDa
AA Sequence	MTLGSPRKGLLMLLMALVTQGDPVKPSRGPLVTCTCESPHCKGPTCRGAWCTVVL VREEGRHPQEHRGCGNLHRELCRGRPTEFVNHYCCDShLCNHNVSLVLEATQPPS EQPGTDGQLALILGPVLALLALVALGVGLWHVRRRQEKQRGLHSELGESSLILKAS EQGDSMLGDLSDCTTGSGSGLPFLVQRTVARQVALVECVGKGRYGEVWRGLW

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HGESVAVKIFSSRDEQSWFRETEIYNTVLLRHDNILGFIASDMTSRNSSTQLWLITHY
 HEHGSLYDFLQRQTLEPHLALRLAVSAACGLAHLHVEIFGTQGKPAIAHRDFKSRNV
 LVKSNLQCCIALDLGLAVMHSQGSYLDIGNNPRVGTKRYMAPEVLDEQIRTDCFESY
 KWTDIWAFLVWLWEIARRTIVNGIVEDYRPPFYDVPNDPSFEDMKKVVVDQQTPT
 IPNRLAADPVLGLAQMMRECWYPNPSARLTALRIKKTQKISNSPEKPKVIQ

Purity > 98%

Applications WB; ELISA; FACS; FC

Stability This bioreagent is stable at 4 centigrade (short-term) and -70 centigrade(long-term). After reconstitution, sample may be stored at 4 centigrade for 2-7 days and below -18 centigrade for future use.

Storage At -20 centigrade.

Concentration 1 mg/mL

Storage Buffer PBS (pH 7.4-7.5). Sterile-filtered colorless solution.

Reconstitution Reconstitute in sterile distilled H₂O to no less than 100 µg/mL; dilute reconstituted stock further in other aqueous solutions if needed. Please review COA for lot-specific instructions. Final measurements should be determined by the end-user for optimal performance.

GENE INFORMATION

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

Official Symbol ACVRL1

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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

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