

Recombinant Full Length Human ACVRL1 Protein, C-Flag-tagged

Cat. No. ACVRL1-1507HFL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Full Length Human ACVRL1 Protein, fused to Flag-tag at C-terminus, was expressed in Mammalian cells.
Species	Human
Source	Mammalian Cells
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	25 mM Tris HCl, pH 7.3, 100 mM glycine, 10% glycerol.
Molecular Mass	55.9 kDa
AA Sequence	MTLGSPRKGLLMLLMALVTQGDVPKPSRGPLVTCTCESPHCKGPTCRGAWCTVVL VREEGRHPQEHRGCG NLHRELGRGRPTEFVNHYCCDSHLCHNHVSLVLEATQPP SEQPGTDGQLALILGPVLALLALVALGVLGL WHVRRRQEKQRGLHSELGESSLILKA SEQGDSMLGDLSDCTTGSGSGLPFLVQRTVARQVALVECVGK GRYGEVWRGL

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WHGESVAVKIFSSRDEQSWFRETEIYNTVLLRHDNILGFASDMTSRNSSTQLWLITH
 YH EHGSLYDFLQRQTLEPHLALRLAVSAACGLAHLHVEIFGTQGKPAIAHRDFKSRN
 VLVKSNLQCCIADLG LAVMHSQGS DYLDIGNNPRVGTKRYMAPEVLDEQIRTDCE
 SYKWTDIWAFLVLWEIARRTIVNGIVED YRPPFYDVVPNDPSFEDMKKVVCVDQQ
 TPTIPNRLAADPVLSGLAQMMRECWYPNPSARLTALRIKKTQ
 KISNSPEKPKVIQTRTRPLEQKLISEEDLAANDILDYKDDDDKV

Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining.
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade.
Concentration	>50 ug/mL as determined by microplate BCA method.
Preparation	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Protein Families	Druggable Genome, Protein Kinase, Transmembrane
Protein Pathways	Cytokine-cytokine receptor interaction, TGF-beta signaling pathway
Full Length	Full L.

GENE INFORMATION

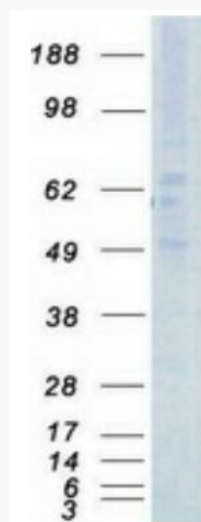
Gene Name	ACVRL1 activin A receptor like type 1 [Homo sapiens (human)]
Official Symbol	ACVRL1

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Synonyms	HHT; ALK1; HHT2; ORW2; SKR3; ALK-1; TSR-I; ACVRLK1
Gene ID	94
mRNA Refseq	NM_001077401.2
Protein Refseq	NP_001070869.1
MIM	601284
UniProt ID	P37023



Coomassie blue staining of purified ACVRL1 protein.