

Recombinant Human ACVRL1 Protein, His-tagged

Cat. No. ACVRL1-360H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human ACVRL1, fused to His-tag at C-terminus, was expressed in insect cell and purified by using conventional chromatography techniques.
Species	Human
Source	Insect Cells
Description	ACVRL1, also known as serine/threonine-protein kinase receptor R3, is a membrane-anchored proteoglycan whose core protein binds TGFβ3 and has a short cytoplasmic domain with no discernible signaling structure. Also, this protein shares similar domain structures with other closely related ALK or activin receptor-like kinase proteins that form a subfamily of receptor serine/threonine kinases.
Form	Liquid. In Phosphate Buffered Saline (pH 7.4) containing 10% glycerol.
Molecular Mass	11.5kDa (103aa)18-28KDa (SDS-PAGE under reducing conditions.)
AA Sequence	DPVKPSRGPL VTCTCESPHC KGPTCRGAWC TVVLVREEGR HPQEHRGCGN LHRELCRGRP TEFVNHYCCD SHLCNHNVS L VLEATQPPSE QPGTDGQH HH HHH
Endotoxin	< 1.0 EU per 1 microgram of protein (determined by LAL method)
Purity	>95% by SDS - PAGE
Storage	Can be stored at +4 centigrade short term (1-2 weeks). For long term storage, aliquot

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and store at -20 centigrade or -70 centigrade. Avoid repeated freezing and thawing cycles.

Concentration 0.25mg/ml (determined by Absorbance at 280nm)

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](#)

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

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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; metal ion binding; nucleotide binding; protein binding; protein serine/threonine kinase activity; receptor activity; receptor signaling protein serine/threonine kinase activity; transforming growth factor beta binding; contributes_to transforming growth factor beta receptor activity, type I; transforming growth factor beta-activated receptor activity; transmembrane receptor protein serine/threonine kinase activity;

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