

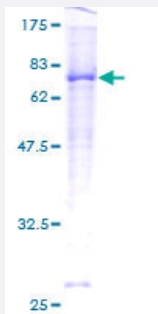
Full-Length

ACVRL1 (Human) Recombinant Protein (P01)

Catalog # H00000094-P01

Size 25 ug, 10 ug

Applications



Specification

Product Description

Human ACVRL1 full-length ORF (AAH42637, 22 a.a. - 503 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence

DPVKPSRGPLVTCTCESPHCKGPTCRGAWCTVVLVREEGRHPQEHRGCGNLHRELCRGRPTE
FVNHYCCDSHLCNHNVSLVLEATQPPSEQPGTDGQLALILGPVLALLALVALGVLGLWRVRRRQE
KQRGLHSELGESSLILKASEQGDSMLGDLLDSDCTTGSGSGLPFLVQRTVARQVALVECVGKGR
YGEVWRGLWHGESVAVKIFSSRDEQSWFRETEYNTVLLRHDNILGFASDMTSRNSSTQLWLITH
YHEHGSLYDFLQRQTLEPHLALRLAVSAACGLAHLHVEIFGTQGKPAIAHRDFKSRNVLVKSNLQC
CIADLGLAVMHSQGSYLDIGNNPRVGTKRYMAPEVLDEQIRTD CFESYKWTDWAFGLVLWEIAR
RTVNGVMDYRPPFYDVPNDPSFEDMKKVVCVDQQTP TIPNRLAADPVL SGLAQMMRECWYP
NPSARLTALRIKKT LQKISNSPEKPKVIQ

Host

Wheat Germ (in vitro)

Theoretical MW (kDa)

78.76

Interspecies Antigen Sequence

Mouse (90); Rat (91)

Preparation Method

[in vitro wheat germ expression system](#)

Purification

Glutathione Sepharose 4 Fast Flow

Quality Control Testing

12.5% SDS-PAGE Stained with Coomassie Blue.

Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
Storage Instruction	Store at -80°C. Aliquot to avoid repeated freezing and thawing.
Note	Best use within three months from the date of receipt of this protein.

Applications

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

Gene Info — ACVRL1

Entrez GeneID	94
GeneBank Accession#	BC042637
Protein Accession#	AAH42637
Gene Name	ACVRL1
Gene Alias	ACVRLK1, ALK-1, ALK1, HHT, HHT2, ORW2, SKR3, TSR-I
Gene Description	activin A receptor type II-like 1
Omim ID	600376 601284
Gene Ontology	Hyperlink
Gene Summary	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]
Other Designations	TGF-B superfamily receptor type II activin A receptor, type II-like kinase 1 serine/threonine-protein kinase receptor R3

Pathway

- [Cytokine-cytokine receptor interaction](#)
- [TGF-beta signaling pathway](#)

Disease

- [Anemia](#)
- [Arteriovenous Malformations](#)
- [Asthma](#)
- [Cardiovascular Diseases](#)
- [Central Nervous System Vascular Malformations](#)
- [Chromosome Aberrations](#)
- [Diabetes Mellitus](#)
- [Edema](#)
- [Epistaxis](#)
- [Genetic Predisposition to Disease](#)
- [Heart Diseases](#)
- [Hyperparathyroidism](#)
- [Hyperplasia](#)
- [Hypertension](#)
- [Intracranial Aneurysm](#)
- [Intracranial Arteriovenous Malformations](#)
- [Liver Cirrhosis](#)
- [Liver Diseases](#)
- [Obesity](#)
- [Ovarian Failure](#)

- [Polycystic Ovary Syndrome](#)
- [Puberty](#)
- [Telangiectasia](#)
- [Thrombophilia](#)
- [Tobacco Use Disorder](#)