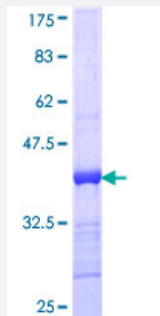


ACVRL1 (Human) Recombinant Protein (Q01)

Catalog # H00000094-Q01

Size 25 ug, 10 ug

Applications



Specification

Product Description	Human ACVRL1 partial ORF (AAH42637, 22 a.a. - 119 a.a.) recombinant protein with GST-tag at N-terminal.
Sequence	DPVKPSRGPLVTCTCESPHCKGPTCRGAWCTVVLVREEGRHPQEHRGCGNLHRELCRGRPTE FVNHYCCDSHLCNHNVS LVLEATQPPSEQPGTDGQL
Host	Wheat Germ (in vitro)
Theoretical MW (kDa)	36.41
Interspecies Antigen Sequence	Mouse (69); Rat (73)
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](#)