

Product datasheet for **TP762552**

ACVRL1 (NM_000020) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Human activin A receptor type II-like 1 (ACVRL1), transcript variant 1, 50ug
Species:	Human
Expression Host:	E. coli
Expression cDNA Clone or AA Sequence:	A DNA sequence encoding the region full length of ACVRL1
Tag:	N-GST and C-HIS
Predicted MW:	55.9 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	50mM Tris, pH8.0, 8M Urea
Storage:	Store at -80°C after receiving vials.
Stability:	Stable for at least 1 year from receipt of products under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	NP_000011
Locus ID:	94
UniProt ID:	P37023 , A0A0S2Z310
RefSeq Size:	1970
Cytogenetics:	12q13.13
RefSeq ORF:	1509
Synonyms:	ACVRLK1; ALK-1; ALK1; HHT; HHT2; ORW2; SKR3; TSR-I



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Summary:

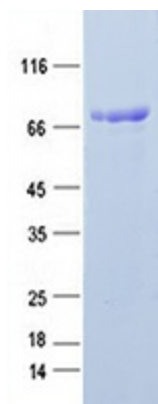
This gene encodes a type I cell-surface receptor for the TGF-beta superfamily of ligands. It shares with other type I receptors a high degree of similarity in serine-threonine kinase subdomains, a glycine- and serine-rich region (called the GS domain) preceding the kinase domain, and a short C-terminal 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, Jul 2008]

Protein Families:

Druggable Genome, Protein Kinase, Transmembrane

Protein Pathways:

Cytokine-cytokine receptor interaction, TGF-beta signaling pathway

Product images:

Coomassie blue staining of purified ACVRL1 protein (Cat #TP762552). The protein was produced from E.coli.