PRODUCT INFORMATION

Target	ACVRL1
Synonyms	ACVRLK1;ALK-1;ALK1;HHT;HHT2;ORW2;SKR3;TSR-I
Description	Recombinant Human ACVRL1 Protein with C-terminal human Fc tag
Delivery	In Stock
Uniprot ID	P37023
Expression Host	HEK293
Tag	C-Human Fc Tag
Molecular Characterization	ACVRL1(Asp22-Gln118) hFc(Glu99-Ala330)
Molecular Weight	The protein has a predicted molecular mass of 36.8 kDa after removal of the signal peptide. The apparent molecular mass of ACVRL1-hFc is approximately 35-70 kDa due to glycosylation.
Purity	The purity of the protein is greater than 95% as determined by SDS-PAGE and Coomassie blue staining.
Formulation & Reconstitution	Lyophilized from sterile PBS, pH 7.4. Normally 5 % – 8% trehalose is added as protectants before lyophilization. Please see Certificate of Analysis for specific instructions of reconstitution.
Storage&Shipping	Store at -20°C to -80°C for 12 months in lyophilized form. After reconstitution, if not intended for use within a month, aliquot and store at -80°C (Avoid repeated freezing and thawing). Lyophilized proteins are shipped at ambient temperature.
Background	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]
Usage	Research use only
Conjugate	Unconjugated

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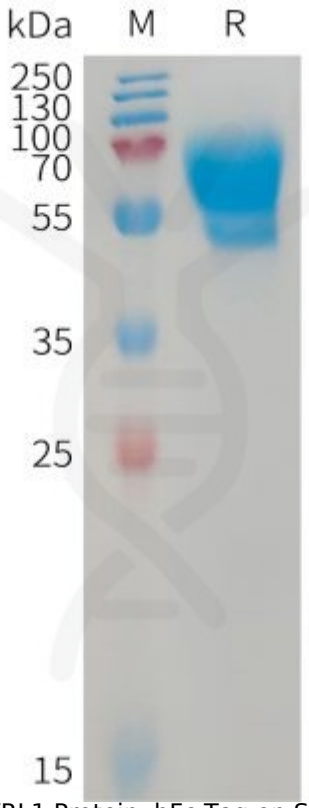


Figure 1.Human ACVRL1 Protein, hFc Tag on SDS-PAGE under reducing condition.

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