HUMAN ACVRL1 PROTEIN, HFC TAG

Cat.#: 11893

Product Name: Human ACVRL1 Protein

Size : 10 µg, 50 µg and 100 µg

Synonyms: ACVRLK1;ALK-1;ALK1;HHT;HHT2;ORW2;SKR3;TSR-I

Target: ACVRL1

UNIPROT ID: P37023

Description: Recombinant Human ACVRL1 Protein with C-terminal human Fc tag

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]

Species/Host: HEK293

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.

Molecular Characterization: ACVRL1(Asp22-Gln118) hFc(Glu99-Ala330)

Purity: The purity of the protein is greater than 95% as determined by SDS-PAGE and Coomassie blue staining.

Formulation & Reconstitution: Lyophilized from nanodisc solubilization buffer (20 mM Tris-HCl, 150 mM NaCl, pH 8.0). Normally 5% – 8% trehalose is added as protectants before lyophilization.

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.

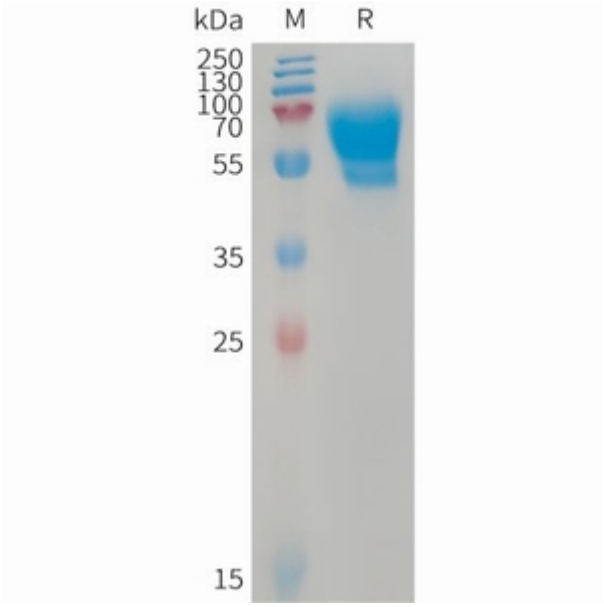

Figure 1.Human ACVRL1 Protein, hFc Tag on SDS-PAGE under reducing condition.