

HUMAN ACVR1C PROTEIN, HFC TAG

Cat.#: 11892

Product Name: Human ACVR1C Protein

Size: 10 µg, 50 µg and 100 µg

Synonyms: ACVRLK7;ALK7

Target: ACVR1C

UNIPROT ID: Q8NER5

Description: Recombinant Human ACVR1C Protein with C-terminal human Fc tag

Background: ACVR1C is a type I receptor for the TGFβ (see MIM 190180) family of signaling molecules. Upon ligand binding, type I receptors phosphorylate cytoplasmic SMAD transcription factors, which then translocate to the nucleus and interact directly with DNA or in complex with other transcription factors (Bondestam et al., 2001 [PubMed 12063393]). [supplied by OMIM, Mar 2008]

Species/Host: HEK293

Molecular Weight: The protein has a predicted molecular mass of 36.0 kDa after removal of the signal peptide. The apparent molecular mass of ACVR1C-hFc is approximately 35–70 kDa due to glycosylation.

Molecular Characterization: ACVR1C(Leu22–Glu113) 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.

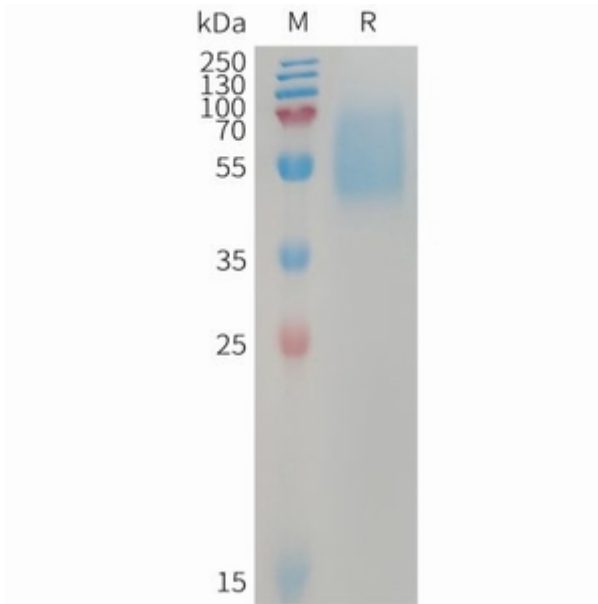


Figure 1. Human ACVR1C Protein, hFc Tag on SDS-PAGE under reducing condition.