

PRODUCT INFORMATION

ACVR1C **Target**

Synonyms ACVRLK7;ALK7

Recombinant Human ACVR1C Protein with C-**Description**

terminal human Fc tag

Delivery In Stock **Uniprot ID** Q8NER5 HEK293 **Expression Host**

Tag C-Human Fc Tag

Molecular

Molecular Weight

Storage & Shipping

Background

ACVR1C(Leu22-Glu113) hFc(Glu99-Ala330) Characterization

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.

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

staining.

Lyophilized from sterile PBS, pH 7.4. Normally 5 % - 8% trehalose is added as protectants before lyophilization. Please see Certificate of Analysis Formulation & Reconstitution

for specific instructions of reconstitution.

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.

ACVR1C is a type I receptor for the TGFB (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

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directly with DNA or in complex with other transcription factors (Bondestam et al., 2001 [PubMed 12063393]) [supplied by OMIM, Mar

2008]

Usage Research use only

Conjugate Unconjugated

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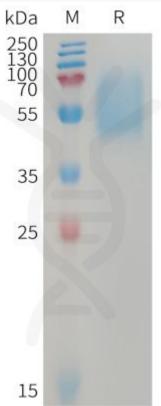


Figure 1.Human ACVR1C Protein, hFc Tag on SDS-PAGE under reducing condition.

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