

PRODUCT INFORMATION

ACVR2A **Target**

Synonyms ACVR2; ACTRII

Recombinant human ACVR2A(101-135) Protein Description

with C-terminal mouse Fc tag

Delivery In Stock **Uniprot ID** P27037 **Expression Host HEK293**

Tag C-Mouse Fc tag

Molecular

Molecular Weight

Background

ACVR2A(Tyr101-Pro135) mFc(Pro99-Lys330) Characterization

> The protein has a predicted molecular mass of 30.3 kDa after removal of the signal peptide. The apparent molecular mass of ACVR2A(101-135)-mFc is approximately 25-55 kDa due to

glycosylation.

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

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). Storage & Shipping

Lyophilized proteins are shipped at ambient

temperature.

This gene encodes a receptor that mediates the functions of activins, which are members of the transforming growth factor-beta (TGF-beta) superfamily involved in diverse biological processes. The encoded protein is a transmembrane serine-threonine kinase receptor which modiates signaling by forming

which mediates signaling by forming heterodimeric complexes with various

combinations of type I and type II receptors and ligands in a cell-specific manner. The encoded type II receptor is primarily involved in ligandbinding and includes an extracellular ligandbinding domain, a transmembrane domain and a cytoplasmic serine-threonine kinase domain. This gene may be associated with susceptibility to

preeclampsia, a pregnancy-related disease which can result in maternal and fetal morbidity and mortality. Alternative splicing results in multiple transcript variants of this gene. [provided by

> Email: info@dimabio.com Website: www.dimabio.com

RefSeq, Jun 2013]

Usage Research use only Conjugate Unconjugated

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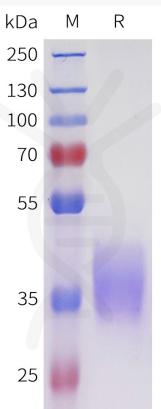


Figure 1. Human ACVR2A(101-135) Protein, mFc Tag on SDS-PAGE under reducing condition.

