

PRODUCT INFORMATION

ACVR2A **Target**

Synonyms ACVR2; ACTRII

Recombinant human ACVR2A Protein with C-Description

terminal mouse Fc tag

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

Tag C-Mouse Fc tag

Molecular

Storage & Shipping

Purity

ACVR2A(Ala20-Pro135) mFc(Pro99-Lys330) Characterization

The protein has a predicted molecular mass of

39.6 kDa after removal of the signal peptide. The apparent molecular mass of ACVR2A-mFc is **Molecular Weight** approximately 55-70 kDa due to glycosylation.

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

staining.

Lyophilized from sterile PBS, pH 7.4. Normally 5 % Formulation & Reconstitution

 8% trehalose is added as protectants before lyophilization. Please see Certificate of Analysis 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.

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 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 **Background** type II receptor is primarily involved in ligand-binding 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

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transcript variants of this gene. [provided by RefSeq, Jun 2013]

Usage Research use only

Conjugate Unconjugated

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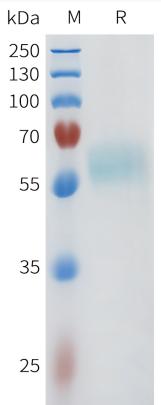


Figure 1. Human ACVR2A Protein, mFc Tag on SDS-PAGE under reducing condition.



