

PRODUCT INFORMATION

| | |
|---|--|
| Target | ACVR2A |
| Synonyms | ACVR2; ACTRII |
| Description | Recombinant human ACVR2A Protein with C-terminal human Fc tag |
| Delivery | In Stock |
| Uniprot ID | P27037 |
| Expression Host | HEK293 |
| Tag | C-Human Fc tag |
| Molecular Characterization | ACVR2A(Ala20-Pro135) hFc(Glu99-Ala330) |
| Molecular Weight | The protein has a predicted molecular mass of 39.5 kDa after removal of the signal peptide. The apparent molecular mass of ACVR2A-hFc is approximately 55-70 kDa due to glycosylation. |
| Purity | The purity of the protein is greater than 95% as determined by SDS-PAGE and Coomassie blue staining. |
| Formulation & Reconstitution | Lyophilized from sterile PBS, pH 7.4. Normally 5% - 8% trehalose is added as protectants before lyophilization. Please see Certificate of Analysis for specific instructions of reconstitution. |
| 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. |
| Background | 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 type II receptor is primarily involved in ligand-binding and includes an extracellular ligand-binding 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 RefSeq, Jun 2013] |
| Usage | Research use only |
| Conjugate | Unconjugated |



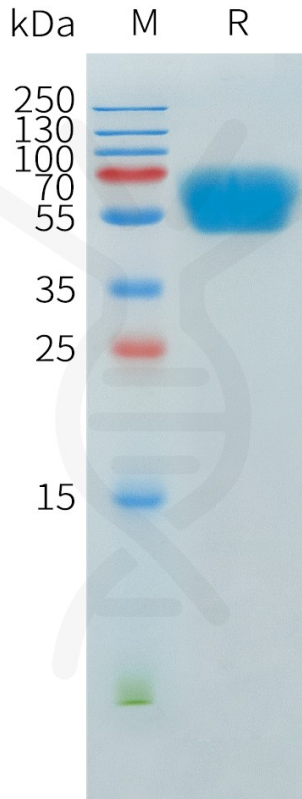


Figure 1. Human ACVR2A Protein, hFc Tag on SDS-PAGE under reducing condition.

DIMABIO CONFIDENTIAL

