

RP00301

Leader in Biomolecular Solutions for Life Science



Recombinant Human Activin receptor type-2A/Activin RIIA Protein

Catalog No.: RP00301 **Recombinant**

Sequence Information

Species	Gene ID	Swiss Prot
Human	92	P27037

Tags

C-Fc & 6×His

Synonyms

ACTRII; ACVR2;ACVR2A;ACVR2

Product Information

Source	Purification
HEK293 cells	> 95% by SDS-PAGE.

Endotoxin

< 1 EU/μg of the protein by LAL method.

Formulation

Lyophilized from a 0.2 μm filtered solution of 20 mM PB, 150 mM NaCl, pH7.4. Contact us for customized product form or formulation.

Reconstitution

Reconstitute to a concentration of 0.1-0.5 mg/mL in sterile distilled water.

Background

This protein belongs 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.

Basic Information

Description

Recombinant Human Activin receptor type-2A/Activin RIIA Protein is produced by Human Cell expression system. The target protein is expressed with sequence (Ala20-Pro134) of human Activin receptor type-2A/Activin RIIA (Accession #P27037) fused with an Fc, 6×His tag at the C-terminus.

Bio-Activity

Storage

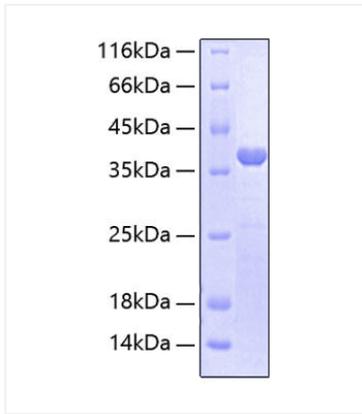
Store the lyophilized protein at -20°C to -80 °C for long term. After reconstitution, the protein solution is stable at -20 °C for 3 months, at 2-8 °C for up to 1 week. Avoid repeated freeze/thaw cycles.

Contact



www.abclonal.com

Validation Data



Recombinant protein Human Activin receptor type-2A/Activin RIIA was determined by SDS-PAGE under reducing conditions with Coomassie Blue, showing a band at 38 kDa.