

Recombinant Human ACVR2B/ActivinR-IIB Protein (Fc Tag)

RPES5197

Description

This high-purity recombinant protein is supplied as a kit for advanced applications. The kit includes Bradford Reagent to quantify total protein concentration for accurate sample normalization (Optional).

Protein Information

SKU: RPES5197

Purity: > 97 % as determined by reducing SDS-PAGE.

Contents: 100µg, 1mg
Bradford Reagent: 1 vial (2ml)

Concentration: -

Species: Human

Endotoxin: < 1.0 EU per µg of the protein as determined by the LAL method.

Synonyms: ACTR-IIB, ACVR2B, Activin Receptor Type IIB, Activin Receptor Type-2B, BMP Type II Receptor, BMP Type-2 Receptor, BMPR-5, Bone Morphogenetic Protein Receptor Type II, Bone Morphogenetic Protein Receptor Type-2

Storage: Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80 °C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months. Store Bradford Reagent at Room Temperature for 1 year.

Tag: C-hFc

Shipping: This product is provided as lyophilized powder which is shipped with ice packs.

Expression Host: HEK293 Cells

Bio-Activity: 1. Measured by its ability to neutralize Activin-mediated inhibition on MPC11 cell proliferation. The ED50 for this effect is typically 0.02-0.1 µg/mL in the presence of 10 ng/mL recombinant Activin A. 2. Immobilized Inhibin Human, Mouse, Rat, Cynomolgus, Rhesus Inhibin beta A/Activin A at 2 µg/ml (100 µl/well) can bind Human ACVR2B hFc, the EC50 of Human ACVR2B hFc is 12-60 ng/mL.

Calculated MW: 40.0 kDa

Formulation: Lyophilized from sterile PBS, pH 7.4. Normally 5% - 8% trehalose, mannitol and 0.01% Tween 80 are added as protectants before lyophilization. Please refer to the specific buffer information in the printed manual.

Manufacturers Statement: This final kit system is assembled and quality-released by Assay Genie Limited.

Observed MW: 60-65 kDa

Reconstitution: Please refer to the printed manual for detailed information.

Accession: NP_001097.2

Protein Quantification (Optional): To quantify total protein levels, use the Bradford Reagent included in this kit. Visit <https://www.assaygenie.com/bradford-protein-assay-protocol/> to view the full protocol

Source: HEK293 Cells-derived Human ACVR2B/ActivinR-IIB protein Met 1-Thr 134, with an C-terminal hFc

Sequence: Met 1-Thr 134

Notes: Centrifuge before opening to ensure complete recovery of vial contents.

Form: Lyophilized powder