

# Recombinant Mouse Activin Receptor 2B/ACVR2B Protein (His Tag)

RPES3529

## Description

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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

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**SKU:** RPES3529

**Purity:** > 94 % as determined by reducing SDS-PAGE.

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

**Concentration:** -

**Species:** Mouse

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

**Synonyms:** 4930516B21Rik, ActRIIB

**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-His

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

**Expression Host:** HEK293 Cells

**Bio-Activity:** 1. Immobilized human ACVR2B at 10 µg/mL (100 µl/well) can bind biotinylated mouse INHBA-His, The EC50 of biotinylated mouse INHBA-His is 0.161 µg/mL. 2. Immobilized mouse INHBA-his at 10 µg/mL (100 µl/well) can bind human Follistatin Protein, The EC50 of human Follistatin Protein is 0.39 µg/mL. 3. Measured by its ability to neutralize Activin-mediated inhibition on MPC11 cell proliferation. The ED 50 for this effect is typically 0.2-0.8 µg/mL in the presence of 10 ng/mL recombinant Activin A.

**Calculated MW:** 14.8 kDa

**Formulation:** Lyophilized from sterile PBS, pH 7.4 Normally 5% - 8% trehalose, mannitol and 0.01% Tween 80 are added as protectants before

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

lyophilization. Please refer to the specific buffer information in the printed manual.

**Observed MW:** 33-37 kDa

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

**Accession:** NP\_031423.1

**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 Mouse Activin Receptor 2B/ACVR2B protein Met 1-Thr 134, with an C-terminal His

**Sequence:** Met 1-Thr 134

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

**Form:** Lyophilized powder