

# Recombinant Mouse BMPRIA/ALK-3 Protein (His Tag)

RPES4404

## 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:** RPES4404

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

**Contents:** 200µg  
Bradford Reagent: 1 vial (2ml)

**Concentration:** -

**Species:** Mouse

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

**Synonyms:** ALK-3, Activin receptor-like kinase 3, Acvrlk3, BMP type-1A receptor, BMP-2/BMP-4 receptor, BMPR-1A, BMPR-1A, Bmpr, Bone morphogenetic protein receptor type-1A, CD292, SKR5, Serine/threonine-protein kinase receptor R5

**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:** Measured by its ability to inhibit recombinant human BMP4 induced activity in MC3T3-E1 Mouse osteoblastic cells. The ED50 for this effect is typically 0.5-2 µg/ml in the presence of 50 ng/ml of recombinant human BMP4.

**Calculated MW:** 15.8 kDa

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

**Observed MW:** -

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

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

**Accession:** NP\_033888.2

**Source:** HEK293 Cells-derived Mouse BMPRIA/ALK-3 protein Met 1-Arg 152, with an C- terminal His

**Sequence:** Met 1-Arg 152

**Form:** Lyophilized powder

**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

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