

Recombinant Human ALK-1/ACVRL1 Protein (Fc Tag)

RPES0489

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: RPES0489

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: ACVRL1, ACVRLK1, ALK-1, ALK1, Activin Receptor-Like Kinase 1, HHT, HHT2, ORW2, SKR3, Serine/Threonine-Protein Kinase Receptor R3, TGF-B Superfamily Receptor Type I, TSR-I

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 bind Human ENG-Fc, latent TGFB1-His, mouse ENG-His in functional Elisa. 2. Measured by its ability to inhibit BMP9 induced alkaline phosphatase production by MC3T3E1 mouse chondrogenic cells. David, L. et al. (2007) Blood 109:1953. The ED50 for this effect is typically 5-15 ng/mL in the presence of 2 ng/mL of recombinant human BMP9.

Calculated MW: 37.4 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: 45-50 kDa

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

Accession: NP_000011.2

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 ALK-1/ACVRL1 protein Met 1-Gln 118, with an C- terminal hFc

Sequence: Met 1-Gln 118

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

Form: Lyophilized powder