

Human ALK-6 / BMPR1B (Fc Tag) recombinant protein



Catalog Number: 504760

General Information

Protein Construction

A DNA sequence encoding the human ALK6 (Lys14-Arg126) was expressed with the Fc region of human IgG1 at the C-terminus.

Organism

Human

Expression Host

Human Cells

QC Testing

Activity

Measured by its ability to inhibit rhBMP4 induced alkaline phosphatase production by MC3T3-E1 mouse osteoblastic cells.

The ED₅₀ for this effect is typically 2-8 µg/mL in the presence of 50 ng/mL of recombinant human BMP4.

Purity

(54.4+36.1) % as determined by SDS-PAGE

Endotoxin

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

Stability

Samples are stable for up to twelve months from date of receipt at -70°C

Predicted N terminal

Lys 14

Molecular Mass

The recombinant human ALK6/Fc is a disulfide-linked homodimer. The reduced monomer comprises 354 amino acids and has a predicted molecular mass of 39.7 kDa. The apparent molecular mass of the protein is approximately 110 kDa in SDS-PAGE under reducing conditions.

Formulation

Lyophilized from sterile PBS, pH 7.4

1. 5 % trehalose and mannitol are added as protectants before lyophilization.

2. Please contact us for any concerns or special requirements.

Usage Guide

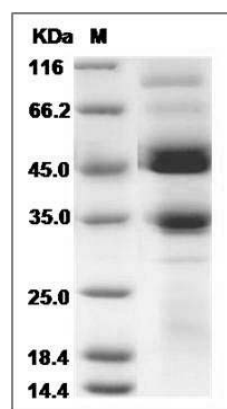
Storage

Store it under sterile conditions at -20°C to -80°C. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

Reconstitution

Adding sterile water, prepare a stock solution of 0.25 mg/ml. Concentration is measured by UV-Vis.

SDS-PAGE



Human BMPR1B / ALK-6 Protein (Fc Tag) SDS-PAGE