

Canine ALK-3 / BMPR1A (Fc Tag) recombinant protein



Catalog Number: 502006

General Information

Protein Construction

A DNA sequence encoding the canine BMPR1A (NP_001138622.1) (Met1-Arg152) was expressed with the Fc region of human IgG1 at the C-terminus.

Organism

Canine

Expression Host

Human Cells

QC Testing

Activity

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

The ED₅₀ for this effect is typically 0.5-2.5 µg/mL in the presence of 50 ng/mL of recombinant human BMP4.

Purity

> (82.9 + 16.4) % as determined by SDS-PAGE.

Endotoxin

<1.0 EU per µg 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

Gln 24

Molecular Mass

The recombinant canine BMPR1A consists 370 amino acids and predicts a molecular mass of 41.2 kDa.

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

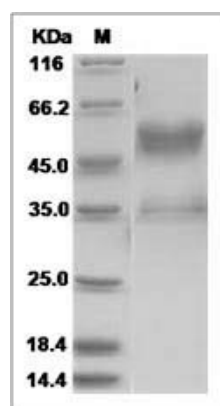
Storage

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



BMPR1A protein SDS-PAGE