

Canine ALK-3 / BMPR1A Protein (Fc Tag)

Catalog Number: 70051-D02H



Sino Biological Inc.

Biological Solution Specialist

General Information

Gene Name Synonym:

ALK-3, BMPR1A

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.

Source: Canine

Expression Host: Human Cells

QC Testing

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

Bio-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.

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.

Normally 5 % - 8 % trehalose and mannitol are added as protectants before lyophilization. Specific concentrations are included in the hardcopy of COA. Please contact us for any concerns or special requirements.

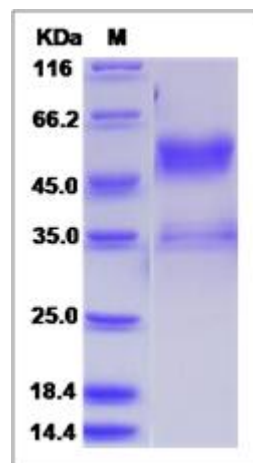
Usage Guide

Storage:

Store it under sterile conditions at -20°C to -80°C upon receiving. Recommend to aliquot the protein into smaller quantities for optimal storage.

Avoid repeated freeze-thaw cycles.

SDS-PAGE:



Reconstitution:

Detailed reconstitution instructions are sent along with the products.

Manufactured By Sino Biological Inc., FOR RESEARCH USE ONLY. NOT FOR USE IN HUMANS.

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