

Human BMPRIA / ALK-3 / CD292 Protein (His Tag)

Catalog Number: 10446-H08H



Sino Biological Inc.
Biological Solution Specialist

General Information

Gene Name Synonym:

ACVRLK3, ALK3, CD292, BMPR1A

Protein Construction:

A DNA sequence encoding the extracellular domain (Met 1-Arg 152) of human ALK3 (NP_004320.2) was fused with a polyhistidine tag at the C-terminus.

Source: Human

Expression Host: Human Cells

QC Testing

Purity: > 85 % as determined by SDS-PAGE

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 0.2-1 µg/mL in the presence of 50 ng/ml of recombinant human BMP4.

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: Gln 24

Molecular Mass:

The secreted recombinant human ALK3 consists of 141 amino acids and has a predicted molecular mass of 15.7 kDa. In SDS-PAGE under reducing conditions, the apparent molecular mass of rhALK3 is approximately 28-33 kDa due to glycosylation.

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.

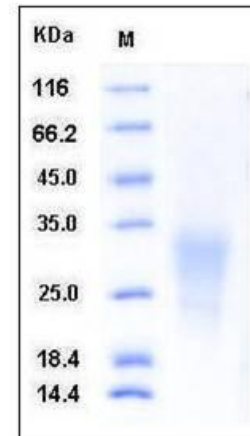
Usage Guide

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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