Human ACVR2 / ACTRII / ACVR2A Protein (Fc Tag)

Catalog Number: 10257-H02H

General Information

Gene Name Synonym:
ACTRII; ACVR2

Protein Construction:
A DNA sequence encoding the N-terminal segment (Met 1-Pro 134) from the extracellular domain of human ACVR2A (NP_001607.1) was fused with the Fc region of human IgG1 at the C-terminus.

Source: Human

Expression Host: HEK293 Cells

QC Testing

Purity: > 97 % as determined by SDS-PAGE

Bio Activity:
Measured by its ability to neutralize Activin-mediated inhibition on MPC11 cell proliferation. The ED_{50} for this effect is typically 20-80 ng/mL in the presence of 10 ng/mL recombinant Activin A.

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: Ala 20

Molecular Mass:
The recombinant human ACVR2A/Fc chimera is a disulfide-linked homodimer protein generated after removal of the signal peptide. The monomer comprises 352 amino acids and predicts a molecular mass of 40.0 kDa. As a result of glycosylation, the monomer migrates as an approximately 60-65 kDa protein in SDS-PAGE under reducing conditions.

Formulation:
Lyophilized from sterile PBS, pH 7.4

Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 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.

Reconstitution:
Detailed reconstitution instructions are sent along with the products.

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

For US Customer: Fax: 267-657-0217 Tel: 215-583-7898
Global Customer: Fax: +86-10-5862-8288 Tel:+86-400-890-9989 http://www.sinobiological.com

References