

Mouse GREM1 (His Tag) recombinant protein



Catalog Number: 502721

General Information

Gene Name Synonym

Cysteine knot superfamily 1, BMP antagonist 1;
Down-regulated in Mos-transformed cells protein

Protein Construction

A DNA sequence encoding the mouse GREM1 (O70326) (Met1-Asp184) was fused with a polyhistidine tag at the C-terminus.

Organism

Mouse

Expression Host

Baculovirus-Insect Cells

QC Testing

Activity

Measured by its ability to inhibit recombinant human BMP4 induced alkaline phosphatase production by MC3T3-E1 cells.

The ED₅₀ for this effect is typically 1-7 µg/mL in the presence of 50 ng/mL of recombinant human BMP4.

Purity

> 97 % 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 25

Molecular Mass

The recombinant mouse GREM1 consists of 171 amino acids and has a calculated molecular mass of 19.7 kDa. The recombinant protein migrates as an approximately 25 kDa band in SDS-PAGE under reducing conditions.

Formulation

Lyophilized from sterile 20mM Tris, 500mM NaCl, pH 7.4, 10% gly, 0.5mM EDTA, 3mM DTT

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

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

Usage Guide

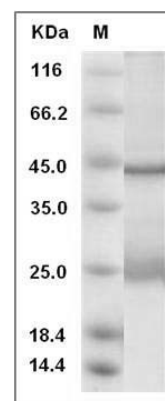
Storage

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



Mouse Gremlin 1 / GREM1 Protein (His Tag) SDS-PAGE