Mouse Noggin (Fc Tag) recombinant protein

Catalog Number: 500700

General Information

Protein Construction

A DNA sequence encoding the mouse NOG (P97466) (Met1-Cys232) was fused with the Fc region of human IgG1 at the C-terminus.

Organism

Mouse

Expression Host

Human Cells

QC Testing

Activity

Measured by its ability to inhibit BMP4 induced alkaline phosphatase production by MC3T3-E1 cells.
The ED_{50} for this effect is typically 0.06-0.3 μg/mL in the presence of 50 ng/mL of rhBMP4.

Purity

> 90 % 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℃

Predicted N terminal

Gln 28

Molecular Mass

The recombinant mouse NOG/Fc comprises 454 amino acids and has a predicted molecular mass of 51 kDa.

Formulation

Lyophilized from sterile 50 mM Tris, 100 mM Glycine, 10 mM NaCl, pH 7.5.
1. 5 % trehalose and mannitol are added as protectants before lyophilization.
2. Please contact us for any concerns or special requirements.

Usage Guide

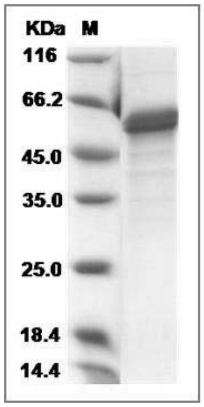
Storage

Store it under sterile conditions at -20℃ to -80℃. 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



NOG protein SDS-PAGE