

# Human Noggin recombinant protein



Catalog Number: 500626

## General Information

### Protein Construction

A DNA sequence encoding the human NOG (NP\_005441.1) (Met1-Cys232) was expressed with five amino acids (DDDDK) at the C-terminus.

### Organism

Human

### Expression Host

Human Cells

## QC Testing

### Activity

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

The ED<sub>50</sub> for this effect is typically 0.18-0.7 ug/mL in the presence of 50 ng/mL of hBMP4.

### Purity

> 85 % as determined by SDS-PAGE.

### 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 28

## Molecular Mass

The recombinant human NOG consists 211 amino acids and predicts a molecular mass of 23.7 kDa.

### Formulation

Lyophilized from sterile PBS, pH 7.4.

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

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

## Usage Guide

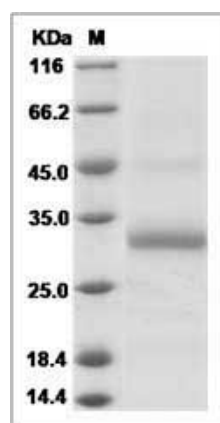
### Storage

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



Human Noggin / NOG Protein