

# Active Recombinant Mouse NOG protein(Met1-Cys232), hFc-tagged

**Cat. No.** NOG-887M    **Lot. No.** (See product label)

## SPECIFICATION

<b>Product Overview</b>	Recombinant Mouse NOG (P97466) (Met1-Cys232) was expressed in HEK293, fused with the Fc region of Human IgG1 at the C-terminus.
<b>Species</b>	Mouse
<b>Source</b>	HEK293
<b>ProteinLength</b>	Met1-Cys232
<b>Form</b>	Lyophilized from sterile PBS, pH7.4. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization.
<b>Bio-activity</b>	Measured by its ability to inhibit BMP4-induced alkaline phosphatase production by MC3T3-E1 cells. The ED50 for this effect is typically 0.1-0.6µg/mL.
<b>Molecular Mass</b>	The recombinant mouse NOG/Fc comprises 454 amino acids and has a predicted molecular mass of 51 kDa. It migRates as approximately 60 kDa band in SDS-PAGE under reducing conditions.
<b>Endotoxin</b>	< 1.0 EU per µg of the protein as determined by the LAL method
<b>Purity</b>	> 85 % as determined by SDS-PAGE
<b>Storage</b>	Samples are stable for up to twelve months from date of receipt at -20°C to -80°C.

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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**

It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.

**GENE INFORMATION**

**Gene Name** [Nog noggin \[ Mus musculus \]](#)

**Official Symbol** [NOG](#)

**Synonyms** [NOG](#); [noggin](#);

**Gene ID** [18121](#)

**mRNA Refseq** [NM\\_008711](#)

**Protein Refseq** [NP\\_032737](#)

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