

## Active GMP Recombinant Human NOG Protein

Cat. No. NOG-117HG Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant Human NOG, Gln28-Cys232, Fused with Human IgG1 at C-terminal was produced in NS0 cell under cGMP guidelines.
<b>Species</b>	Human
<b>Source</b>	Mammalian Cells
<b>ProteinLength</b>	28-232 a.a.
<b>Form</b>	Lyophilized from a 0.2 µm filtered solution in PBS.
<b>Bio-activity</b>	Measured by its ability to inhibit BMP-4-induced alkaline phosphatase production by ATDC5 mouse chondrogenic cells. The ED50 for this effect is 0.1-0.4 µg/mL in the presence of 30 ng/mL of Recombinant Human BMP-4.
<b>Molecular Mass</b>	Predicted Molecular Mass: 49.6 (monomer) kDa SDS-PAGE: 58-62 kDa, reducing conditions 130-135 kDa, non-reducing conditions
<b>Endotoxin</b>	<0.10 EU per 1 µg of the protein by the LAL method.
<b>Purity</b>	>90%, by SDS-PAGE with silver staining, under reducing conditions.
<b>Storage</b>	Avoid repeated freeze-thaw cycles. 12 months, -20 to -70 centigrade as supplied.

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1 month, 2 to 8 centigrade under sterile conditions after reconstitution.  
 3 months, -20 to -70 centigrade under sterile conditions after reconstitution.

**Reconstitution** Reconstitute at 100 µg/mL in PBS.

**Quality Statement** Our GMP proteins are produced according to relevant sections of the following documents: WHO TRS, No. 822, 1992 Annex 1, Good Manufacturing Practices for Biological Products; USP Chapter 1043, Ancillary Materials for Cell, Gene and Tissue-Engineered Products and USP Chapter 92, Growth Factors and Cytokines Used in Cell Therapy Manufacturing.

**Shipping** The product is shipped at ambient temperature. Upon receipt, store it immediately at the recommended temperature.

## GENE INFORMATION

**Gene Name** [NOG noggin \[ Homo sapiens \]](#)

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

**Synonyms** [NOG](#); [noggin](#); [symphalangism 1 \(proximal\)](#); [SYM1](#); [SYNS1](#);

**Gene ID** [9241](#)

**mRNA Refseq** [NM\\_005450](#)

**Protein Refseq** [NP\\_005441](#)

**MIM** [602991](#)

**UniProt ID** [Q13253](#)

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