

# Recombinant Human NOG protein, Fc-tagged, For Organoid Culture

**Cat. No.** NOG-3827H    **Lot. No.** (See product label)

## SPECIFICATION

<b>Product Overview</b>	Recombinant Human NOG protein(Q13253)(Gln28-Cys232), fused with C-terminal Fc tag, was expressed in HEK293.
<b>Species</b>	Human
<b>Source</b>	HEK293
<b>ProteinLength</b>	Gln28-Cys232
<b>Tag</b>	C-Fc
<b>Form</b>	Lyophilized from sterile PBS, pH 7.4, 3% trehalose.
<b>Bio-activity</b>	Recombinant human Noggin Fc chimera protein inhibits BMP2 induced luciferase expression in the NIH-3T3-BRE, which is a BMP responsive reporter cell line. The luciferase expression was analyzed using the Bright-Lite Luciferase Assay System (Vazyme Biotech). The ED50 for this effect is 0.100-0.500 µg/mL in the presence of 10ng/mL of recombinant human BMP-2.
<b>Molecular Mass</b>	49.4 kDa (monomer)
<b>Endotoxin</b>	<0.10 EU/µg of the protein by the LAL method.
<b>Purity</b>	>90%, by SDS-PAGE under reducing conditions.

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**Storage**

The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended below: To the date of expiration, -20°C to -80°C as supplied. 3 months, -20°C to -80°C under sterile conditions after reconstitution. 1 month, 2 to 8 °C under sterile conditions after reconstitution. 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 [ Homo sapiens ]

**Official Symbol**

NOG

**Synonyms**

NOG; noggin; SYM1, symphalangism 1 (proximal) , synostoses (multiple) syndrome 1 , SYNS1; symphalangism 1 (proximal); SYM1; SYNS1;

**Gene ID**

9241

**mRNA Refseq**

NM\_005450

**Protein Refseq**

NP\_005441

**MIM**

602991

**UniProt ID**

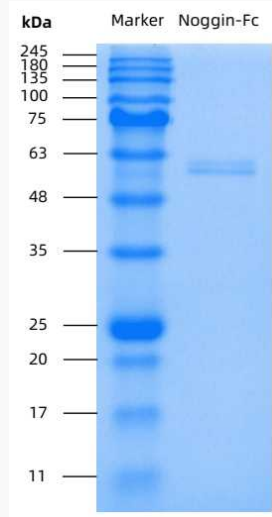
Q13253

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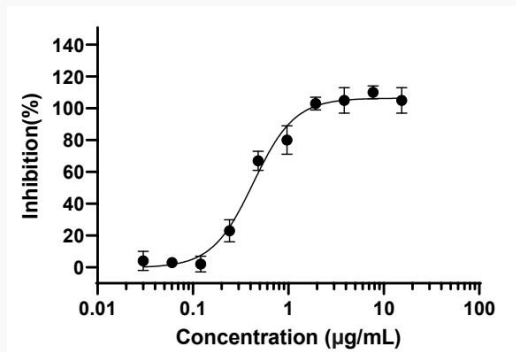
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**SDS-PAGE**




**Activity**



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