

Recombinant Human NOG protein, For Organoid Culture

Cat. No. NOG-3117H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human NOG protein(Q13253)(Gln28-Cys232) was expressed in HEK293.
Species	Human
Source	HEK293
ProteinLength	Gln28-Cys232
Tag	Non
Form	Lyophilized from sterile PBS, pH 7.4, 3% trehalose.
Bio-activity	Recombinant human Noggin 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 20-100 ng/mL in the presence of 10ng/mL of recombinant human BMP-2.
Molecular Mass	28 kDa (monomer)
Endotoxin	<0.10 EU/μg of the protein by the LAL method.
Purity	>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

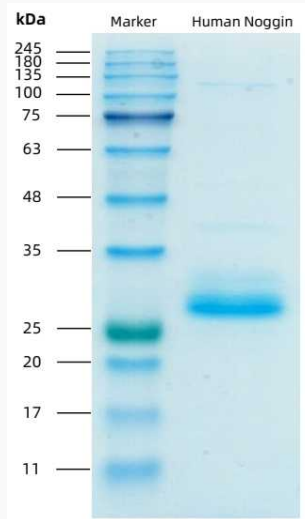
Q13253

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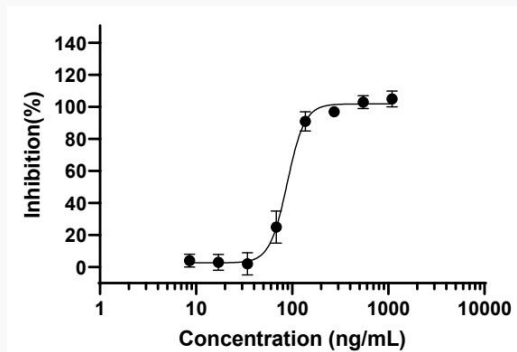
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SDS-PAGE



Activity



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