

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](#)

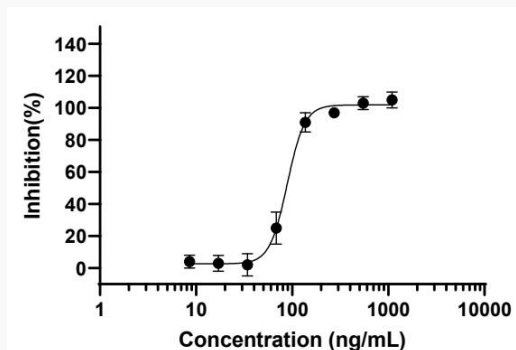
UniProt ID [Q13253](#)

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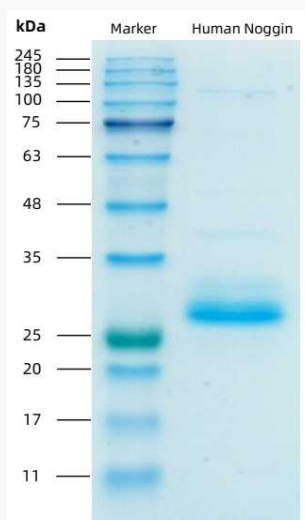
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Activity



SDS-PAGE



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