

Active GMP Recombinant Human NOG protein

Cat. No. NOG-119HG Lot. No. (See product label)

SPECIFICATION

Product Overview	GMP Recombinant Human NOG protein(NP_005441.1)(211 aa), fused with His Tag at the C-terminal, was expressed in HEK293 cell in an animal component free process under cGMP guidelines.
Species	Human
Source	HEK293
ProteinLength	DNA sequence encoding Human noggin(NP_005441.1) was expressed with His tag at the C-terminal.
Bio-activity	Measured by its ability to inhibit 5.0ng/ml BMP-4-induced alkaline phosphatase production by ATDC chondrocytes. The ED50 for this effect is 2.0-3.0ng/ml in the presence of 2.0-3.0ng/ml of Noggin.
Molecular Mass	Recombinant Human NOG contains 211 aa. It has a predicted MW of 23.9 kDa.
Endotoxin	<=0.01EU/ug
Purity	>=95% by SDS-PAGE and HPLC
Storage	The lyophilized preparation can be stored at 4°C for 24 months, and the dissolved liquid can be stored at -20°C for 6-12 months to avoid repeated freezing and thawing
Reconstitution	It is recommended that sterile water be added to the vial to prepare a stock solution of

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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 Noggin; NOG; SYM1; SYNS1

Gene ID 9241

mRNA Refseq NM_005450

Protein Refseq NP_005441

MIM 602991

UniProt ID Q13253

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