

Active Recombinant Human NOG protein(Met1-Cys232), His-tagged

Cat. No. NOG-3156H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human Noggin precursor (NP_005441.1) (Met 1-Cys 232) was expressed in HEK293, fused with a polyhistidine tag at the C-terminus.
Species	Human
Source	HEK293
ProteinLength	Met1-Cys232
Form	Lyophilized from sterile PBS, pH 7.4. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization.
Bio-activity	Measured by its ability to inhibit recombinant human BMP4-induced alkaline phosphatase production by MC3T3-E1 cells. The ED50 for this effect is typically 0.05-0.3 µg/mL in the presence of 25 ng/mL of recombinant human BMP4.
Molecular Mass	The recombinant human Noggin comprises 216 amino acids after removal of the signal peptide and has a predicted molecular mass of 24.6 kDa. As a result of glycosylation, rhNoggin migrates as an approximately 30 kDa bnd in SDS-PAGE under reducing conditions.
Endotoxin	< 1.0 EU per µg of the protein as determined by the LAL method.
Purity	> 95 % as determined by SDS-PAGE

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Storage Samples are stable for up to twelve months from date of receipt at -20°C to -80°C. Store it under sterile conditions at -20°C to -80°C. It is recommended that the protein be aliquoted for optimal storage. 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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