

## Recombinant Human NOG protein, His-tagged, Animal-Free

Cat. No. NOG-1993H Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant Human NOG protein(Q13253) with C-terminal His tag was expressed in E. coli and Animal-free.
<b>Species</b>	Human
<b>Source</b>	E.coli
<b>Form</b>	Lyophilized from a 0.2 µm filtered solution containing 1X PBS, pH 7.4.
<b>Bio-activity</b>	Measure by its ability to inhibit BMP-4-induced alkaline phosphatase production by ATDC5 cells. The ED <sub>50</sub> for this effect is <0.05 µg/mL in the presence of 50 ng/mL of recombinant human BMP-4.
<b>Molecular Mass</b>	The protein has a calculated MW of 24 kDa. The protein migrates as 27 kDa under reducing condition (SDS-PAGE analysis).
<b>Endotoxin</b>	<0.1 EU per 1 µg of the protein by the LAL method.
<b>Purity</b>	>98% as determined by SDS-PAGE.
<b>Storage</b>	Store at -20°C/-80°C upon receipt, aliquoting is necessary for mutiple use. Avoid repeated freeze-thaw cycles.
<b>Reconstitution</b>	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.

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**AA Sequence**

MQHYLHIRPAPSDNLPLVDLIEHPDPIFDPKEKDLNETLLRSLLGGHYDPGFMATSPP  
EDRPGGGGGAAGGAEDLAELDQLLRQRPSGAMPSEIKGLEFSEGLAQQGKKQRLSK  
KLRRKLMWLWSQTFCPVLYAWNDLGSRFWPRYVKVGSCFSKRSCSVPEGMVCK  
PSKSVHLTVLRWRCQRRGGQRCGWIPYIPISECKCSC

**GENE INFORMATION**

<b>Gene Name</b>	NOG noggin [ Homo sapiens ]
<b>Official Symbol</b>	NOG
<b>Synonyms</b>	NOG; noggin; SYM1, symphalangism 1 (proximal) , synostoses (multiple) syndrome 1 , SYNS1; symphalangism 1 (proximal); SYM1; SYNS1;
<b>Gene ID</b>	9241
<b>mRNA Refseq</b>	NM_005450
<b>Protein Refseq</b>	NP_005441
<b>MIM</b>	602991
<b>UniProt ID</b>	Q13253

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