

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

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

SPECIFICATION

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

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AA Sequence

MQHYLHIRPAPSDNLPLVDLIEHPDPIFDPKEKDLNETLLRSLLGGHYDPGFMATSPPE
 EDRPGGGGGAAGGAEDLAELDQLLRQRPSPGAMPSEIKGLEFSEGLAQGKKQRLSK
 KLRRKLQMWLWSQTFCPVLYAWNDLGSRFWPRYVKVGSCFSKRSCSVPEGMVCK
 PSKSVHLTVLRWRCQRRGGQRCGWIPYIPISECKCSC

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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