

Recombinant Human NOG protein

Cat. No. NOG-334H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human NOG protein(Q13253)(Gln28-Cys232) was expressed in CHO.
Species	Human
Source	CHO
ProteinLength	Gln28-Cys232
Tag	Non
Form	Lyophilized from 0.22µm filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization.
Bio-activity	Measured by its ability to inhibit BMP-4-induced alkaline phosphatase production by ATDC5 mouse chondrogenic cells. The ED50 for this effect is 4-80 ng/mL in the presence of 50 ng/mL of recombinant Human BMP-4.
Molecular Mass	The protein has a predicted MW of 23.05 kDa. Due to glycosylation, the protein migrates to 30-36 kDa based on Tris-Bis PAGE result.
Endotoxin	Less than 1EU per µg by the LAL method.
Purity	> 95% as determined by Tris-Bis PAGE
Storage	Reconstituted protein stable at -80°C for 12 months, 4°C for 1 week. Use a manual

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defrost freezer and avoid repeated freeze-thaw cycles.

Reconstitution

Centrifuge tubes before opening. Reconstituting to a concentration more than 100 µg/ml is recommended. Dissolve the lyophilized protein in distilled water.

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](#)

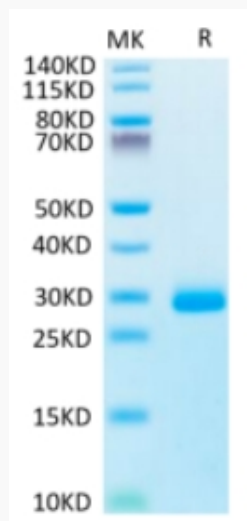
UniProt ID [Q13253](#)

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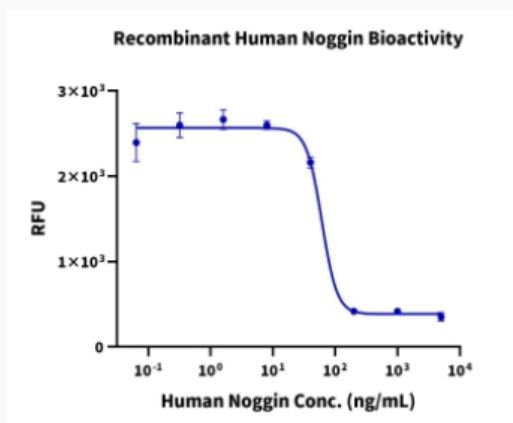
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Tris-Bis PAGE



Cell Based Assay



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