

Specifications:

Gene:	<i>hNOG</i>
Accession:	NP_005441.1
Insert size:	712bp
Concentration:	10µg at 0.2µg/µL

**hNoggin cDNA
Plasmid**

**NOG noggin [*Homo sapiens*
(human)]**

Also known as: SYM1; SYNS1;
SYNS1A

Summary:

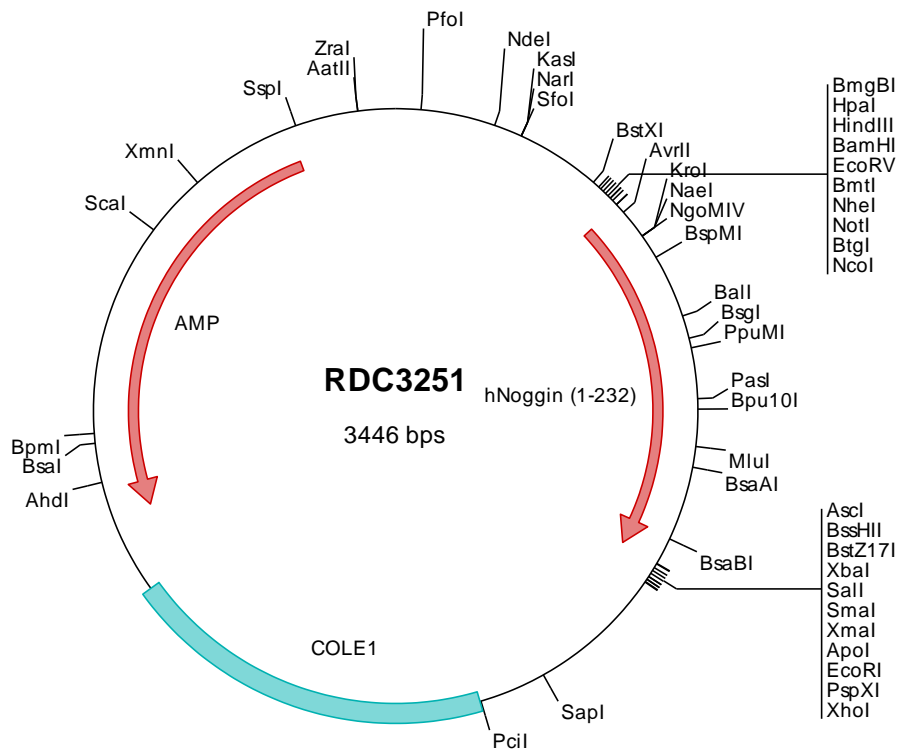
Noggin is a secreted polypeptide that binds and inactivates members of the transforming growth factor-beta (TGF-beta) superfamily signaling proteins, such as bone morphogenetic protein-4 (BMP4). By diffusing through extracellular matrices more efficiently than members of the TGF-beta superfamily, Noggin may have a principal role in creating morphogenic gradients. It appears to have pleiotropic effect, both early in development as well as in later stages.

Description

This shuttle vector contains the complete ORF for the gene of interest, along with a Kozak consensus sequence for optimal translation initiation. It is inserted NotI to AscI. The gene insert is flanked with convenient multiple cloning sites which can be used to easily cut and transfer the gene cassette into your desired expression vector.

Preparation and Storage

Formulation cDNA is provided in 10 mM Tris-Cl, pH 8.5
Shipping Ships at ambient temperature
Stability 1 year from date of receipt when stored at -20°C to -80°C
Storage Use a manual defrost freezer and avoid repeated freeze-thaw cycles.



> RDC3251 Plasmid DNA Sequence

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1   tcgctgctgtt  cggatgatgac  ggtgaaaaacc  totgacacat  gcagctcccc  gagacgggtca  cagcttgtct  gtaagcggat  gccgggagca  gacaagcccc
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> RDC3251 Translated Insert Sequence

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