

# Product datasheet for MG225276

### Nog (NM\_008711) Mouse Tagged ORF Clone

#### **Product data:**

#### OriGene Technologies, Inc.

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Product Type:	Expression Plasmids
Product Name:	Nog (NM_008711) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Nog
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG225276 representing NM_008711 <mark>Red</mark> =Cloning site Blue=ORF Green=Tags(s)
	TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC GCC <mark>GCGATCGC</mark> C
	ATGGAGCGCTGCCCAGCCTGGGGGTCACCCTCTACGCCCTGGTGGTGGTCCTGGGGCTGCGGGCAGCAC CAGCCGGCGGCCAGCACTATCTACACATCCGCCCAGCACCCAGCGACAACCTGCCCCTGGTGGACCTCAT CGAACATCCAGACCCTATCTTTGACCCTAAGGAGAAGGATCTGAACGAGACGCTGCTGCGCTGCGCTGCTC GGGGGCCACTACGACCCGGGCTTTATGGCCACTTCGCCCCAGAGGACCGACC
Protein Sequence:	<pre>&gt;MG225276 representing NM_008711 Red=Cloning site Green=Tags(s) MERCPSLGVTLYALVVVLGLRAAPAGGQHYLHIRPAPSDNLPLVDLIEHPDPIFDPKEKDLNETLLRSLL GGHYDPGFMATSPPEDRPGGGGGPAGGAEDLAELDQLLRQRPSGAMPSEIKGLEFSEGLAQGKKQRLSKK LRRKLQMWLWSQTFCPVLYAWNDLGSRFWPRYVKVGSCFSKRSCSVPEGMVCKPSKSVHLTVLRWRCQRR GGQRCGWIPIQYPIISECKCSC SGPTRTRRLE - GFP Tag - V</pre>



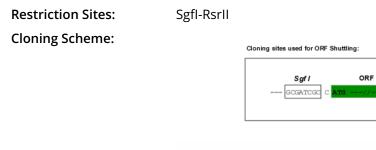
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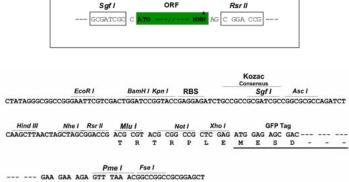


E

ER

V Stop



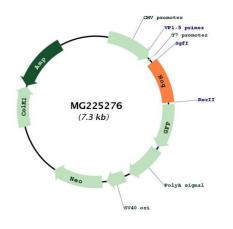


The inherent nature of this plasmid, standard methods to replicate additional amounts in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, does not guarantee the capability to replicate this plasmid DNA. Additional amounts an be purchased from OriGene with batch-specific, full-sequence verification at a cost. Please contact our customer care team at <u>custsupport@origene.com</u> or by 11.340.3188 option 3 for pricing and delivery.
E. coli are highly likely to result in mutations and/or rearrangements. Therefore, does not guarantee the capability to replicate this plasmid DNA. Additional amounts an be purchased from OriGene with batch-specific, full-sequence verification at a cost. Please contact our customer care team at <u>custsupport@origene.com</u> or by 11.340.3188 option 3 for pricing and delivery.
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cular sequence of this clone aligns with the gene accession number as a point of
e only. However, individual transcript sequences of the same gene can differ through occurring variations (e.g. polymorphisms), each with its own valid existence. This ubstantially in agreement with the reference, but a complete review of all prevailing s recommended prior to use. <u>More info</u>
e was engineered to express the complete ORF with an expression tag. Expression pending on the nature of the gene.
clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube g 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).
iuge at 5,000xg for 5min. Ily open the tube and add 100ul of sterile water to dissolve the DNA. he tube and incubate for 10 minutes at room temperature. vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid ttom. he suspended plasmid at -20°C. The DNA is stable for at least one year from date of when stored at -20°C.

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	Nog (NM_008711) Mouse Tagged ORF Clone – MG225276
RefSeq:	<u>NM 008711.2, NP 032737.1</u>
RefSeq Size:	1922 bp
RefSeq ORF:	699 bp
Locus ID:	18121
UniProt ID:	<u>P97466</u>
Cytogenetics:	11 54.34 cM
Gene Summary:	Essential for cartilage morphogenesis and joint formation. Inhibitor of bone morphogenetic proteins (BMP) signaling which is required for growth and patterning of the neural tube and somite (PubMed:9585504, PubMed:9603738). Inhibits chondrocyte differentiation through its interaction with GDF5 and, probably, GDF6 (By similarity).[UniProtKB/Swiss-Prot Function]

## Product images:



Circular map for MG225276

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