

Product datasheet for RN205571

Nodal (NM_001106394) Rat Untagged Clone

Product data:

Product Type: Expression Plasmids
 Product Name: Nodal (NM_001106394) Rat Untagged Clone
 Tag: Tag Free
 Symbol: Nodal
 Mammalian Cell Selection: Neomycin
 Vector: pCMV6-Entry (PS100001)
 E. coli Selection: Kanamycin (25 ug/mL)
 Fully Sequenced ORF: >RN205571 representing NM_001106394
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGAGTGTCCACTGCCTTCCCGTTCTTCTCTCCAAACCTGCTGGACCCTACTCCACCCGCGCTCGCGA
 CCGCGGCCGCTTTCCTCTGTGGACACGGGGCAGCCCTCGTCACCGTCCCCTCTGGCGTACATGTTGAG
 CCTTACCAGACCCTCTGCCTCGGGCGGACATCATCCGACGCCCTCCAGGCGCAAGATGTGGATGTGACT
 GGGCAGAACTGGACCTTACGTTTACTTCTCCTTTTTGAGCCAAGAAGAGGATCTGGTATGGGCGGAGC
 TCCGGTTGACGTGCTCAGCCCTATGGACAGCCCAAGGGTCCACTACCATTGACATTTCCACCA
 GGCCAAGCCGGATCCAGAGCAGGACCCGGCTGACTGCCTGGAGCGTGTTGGATGGAGAGGATCACCGTC
 ACTCCTTCTCAGGTCACGTTTGCCTCAGACAGCACAGTCTAGAGGTGACCAAGCCACTCTCCAAGTGGC
 TAAAGGACCCAGGGCACTGGAGAAGCAGGTGTCCAGTCAAGCAGGAAAGTGTGGCATCAGTCCCACAC
 CCAGCCTGTCCCTGTCACCAGTACCAGTGTGCTCATGCTTTACTCCAACCGGCCTCAGGAGCAGAGGCAG
 CTGGGGGGCGCCACTTTGCTCTGGGAAGCGGAGAGCTCCTGGCGGGCCAGGAGGACAGCTGTCCGTAG
 AGAGGAGTGGATGGGCGAGAAGGCAACCGCCATCATTGCCAGACAGAAGCCAATATGTAGGAGGGT
 CAAGTTCAGGTGACTTCAACCTGATTGGCTGGGCTCCTGGATCATCTACCCGAAGCAGTACAATGCC
 TATCGCTGTGAGGGCAGTGTCTAACCTGTGGGGAGGAGTTTACCCTACCAACCACGCCTATATCC
 AGAGCCTGCTGAAACGTTACCAGCCCACCGGTTCTTCTACATGCTGTGCTCCCGTGAAGACCAAGCC
 ACTGAGCATGCTTATGTGGACAATGGCAGGGTCTCCTGGAACACCACAAGGACATGATTGTGGAGGAG
 GTGGGTGCCT**CTGA**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Chromatograms: https://cdn.origene.com/chromatograms/ja1774_f10.zip

Restriction Sites: Sgfl-Mlul



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ACCN:	NM_001106394
Insert Size:	1065 bp
OTI Disclaimer:	<p>Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.</p> <p>The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. More info</p>
Components:	The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).
Reconstitution Method:	<ol style="list-style-type: none"> 1. Centrifuge at 5,000xg for 5min. 2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA. 3. Close the tube and incubate for 10 minutes at room temperature. 4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom. 5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.
RefSeq:	<u>NM_001106394.1</u> , <u>NP_001099864.1</u>
RefSeq Size:	2034 bp
RefSeq ORF:	1065 bp
Locus ID:	294503
Cytogenetics:	20q11