

Product datasheet for **MG225990**

Nova2 (NM_001029877) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Nova2 (NM_001029877) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Nova2
Synonyms:	Gm1424
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>MG225990 representing NM_001029877
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGAGCCCGAGGCCCGGATTCCCGCAAGAGACCCTCGAGACGCCCCCGAGGTGGTCTGCACCAAGC
 GCAGCAACACGGGAGAGGAAGGCGAGTACTTCTGAAGGTGCTCATCCCCAGCTACGCCCGCGCTCAAT
 CATCGGCAAAGGTGGCCAGACCATCGTGCAGCTCCAGAAGGAGACAGGAGCCACCATCAAGCTGTCTAAG
 TCCAAAGACTTCTACCCAGGAACACAGAACGGGTATGCCTAGTACAGGGCACGGCAGAGGCCTGAATG
 CTGTCCACAGCTTATCGCAGAAAAGTCCGAGAAATCCCTCAAGCGATGACCAAGCCTGAGGTGGTCAA
 CATCCTTCAACCCCAAACCACGATGAACCCGACAGAGCCAAGCAGGCCAAGCTCATCGTCCCCAACAGC
 ACGGCAGGACTGATCATCGGTAAAGGAGGAGCGACCGTGAAGGCGGTGATGGAACAGTCCGGCGGTGGG
 TGCAGCTGTCGAGAAGCCCGAGGGCATCAACCTGCAAGAGCGCGTGGTACCCTGAGCGCGGAGCCGGA
 GCAGGTGCACAAGCCGTGAGCGCCATCGTGCAGAAGGTACAGGAAGACCCGAGAGCAGCAGCTGCCTC
 AACATCAGCTACGCCAACGTGGCGGGGCCCGTGGCCAACCTCAACCCACCGGCTCGCCCTACGCCAGCC
 CGGCCGACGTGCTCCCGCCGCGGCCGCGCCTCTGCCGCGCGCCCTCGGGTCTGCTAGGCCCGCGGG
 GCTGGCGGGCGTGGGCGCCTTCCCGCCGCGCTGCCCGCCTTCTCGGGCACCGACCTGCTGGCCATCAGC
 ACGGCGCTCAACACGTTGGCCAGTACGGCTACAACACCAACTCGCTCAGCCTGGGCCTCAACTCGGCCG
 CCGCCTCCGGCGTCTGGCCGCGTAGCCGAGGCGCAAACCCGCGCCGCCGCGCAGCAGCAACCTCCT
 GGCGTCTACGCGGGGACGCGGGGCGGGGCCGGGGCGGGGGCAGCACCGCCACCGCCACCGCCCCC
 GGAGCGCTGGGTTCTTCGCTCTGGCCGCGCTGCCAATGGCTACCTCGGTGCGGGCGGGGGGGCGGG
 CTGGAGCGGGGGCGGCCCTGGTGGCCGCGGCTGCCGCGGGCTGCCGCGGGCTGCCGCGGGCTCTCTGACGG
 CGAGAAGCTGGCGCCGAGAGCGCCAAGGAGCTGGTGGAGATCGCGGTGCCCGAGAACCTGGTGGGGGCC
 ATCCTGGGCAAAGGGGGCAAGACGCTGGTGGAGTACCAGGAGTACGAGGCGCGGCATCCAGATCTCCA
 AGAAGGGCGAGTTCTGCCCGGCACGCGGAACCGCGGGTACCATCACGGGCAGCCCCGCGGCCACGCA
 AGCCGCTCAATACCTCATCAGCCAGCGGTACCTACGAGCAGGGGTGAGGGCTTCAAACCCACAGAAA
 GTGGGA

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>MG225990 representing NM_001029877
 Red=Cloning site Green=Tags(s)

MEPEAPDSRKRPLETPPEVVCTKRSNTGEEGEYFLKVLIPSYAAGSIIGKGGQTIIVQLQKETGATIKLSK
 SKDFYPGTTERVCLVQGTAEALNAVHSFIAEKVREIPQAMTKPEVVNIIQPTTMNPDRAKQAKLIVPNS
 TAGLIIGKGGATVKAVMEQSGAWVQLSQKPEGINLQERVVTVSGEPEQVHKAVSAIVQKVQEDPQSSCL
 NISYANVAGPVANSNPTGSPYASPADVLPAAAAASAAAASGLLGPAGLAGVGAFPAALPAFSGTDLLAIS
 TALNLTASYGYNTNSLSLGLNSAAASGVLAAVAAGANPAAAAANLLASYAGDAGAGPGAGAAPPPPPP
 GALGSFALAAAANGYLGAGAGGAAGAGAPLAAAAAAGAAGGFLTAEKLAASAKELVEIAPENLVGA
 ILGKGGKTLVEYQELTGARIQISKKGEFLPGTRNRRVITIGSPAATQAAQYLISQRVTYEQGVRASNPQK
 VG

TRTRPLE - GFP Tag - V

Restriction Sites:

Sgfl-Mlul

Cloning Scheme:



ACCN: NM_001029877

ORF Size: 1476 bp

OTI Disclaimer: 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](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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:

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: [NM_001029877.3](#), [NP_001025048.2](#)

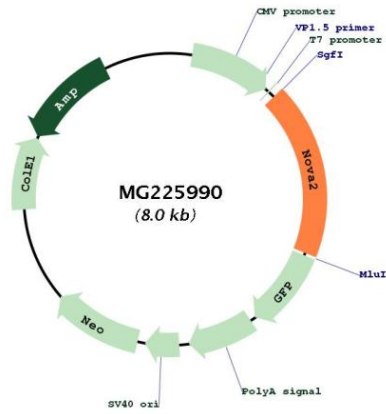
RefSeq Size: 8372 bp

RefSeq ORF: 1479 bp

Locus ID: 384569

Cytogenetics: 7 A3

Product images:



Circular map for MG225990