

Product datasheet for **MG220361**

Nipal3 (NM_028995) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Nipal3 (NM_028995) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Nipal3
Synonyms:	9130020G22Rik; AI480660; Npal3
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG220361 representing NM_028995 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGACGGAGCCACAGTGCAGGTCTGCAGCTGCAGCCACTCCCACCCACCAGCGGCCACCTCCACGA
GCCTGAGCAGCAGCGAGGGCTCCTTCTCCTACAAGGAAAATTGATCGGAGCACTTTGGCCATTTTTGG
GCACCTGGTGGTCAGCATTGCCCTAACCTGCAGAAATACTGCCACATCCGCTAGCAGGCTCAAGGAC
CCACGGGCTACTCAAGACCAAGACATGGTGGCTGGGGCTGCTCCTGCTGCTACTGGGGAACTGGGCG
TGTTTCGCCTCCTACGCCCTTGTCCACTGTCGCTCATCGTGCCCTCAGTGCCGTCTCCGTGATAGCAAG
CGCCATCATCGGAATCATATTCATCAAGGAAAAATGAAACCTAAGGACTTTGTGAGACGCTATGTCTTG
TCCTTTGTTGGCTGCGGCTTGGCCATCGTGGGCACCTACCTGCTAGTGACATTTGACCCAAACAGTCATG
AGAAGATGACAGGCGAGAATCGCCAGGCACCTTGTGAGCTGGCCGTTTCTCCTGTACATGCTGGTGGC
GATCGTCTGTTCTGCCTGCTGCTACTTCTACAAGGAGAGGAACGCCAACAGCATCGTTGTGATTCTC
CTCCTGGTGGCCCTGCTTGGTCCATGACAGTGGTGACGGTCAAGGCCGTGTCAGGGATGCTGGTGTGT
CCATCCAAGGCAACCTGCAGCTGGACTACCCATCTTCTACGTGATGTTTGTGTGCATGGTGGCCACCGC
CATCTATCAGGCCACGTTTCTGAGTGAAGCCTCCAGATCTATGACTCCTCCTTGATTGCCAGCCTTGGC
TACATCCTGTCCACAACAGCGGCCATCACAGCAGGTGCGATCTTCTACCTGGACTTCTTGGGGAGGAAG
CTCTGCACATCTGTATGTTTGCAGTGGGTGCCTCATCGCCTTCTTGGGGTGTTCCTAATCACTCGAAA
CAGAAAGAAGGCCATTCCGTTTCGAGCCCTATATTTCCATGGACGCCATGCCAGGTATGCAGGACATGCAT
GCCAAAGGACAACGGTCCAGCCTGACCTCAAAGCTTCTTTTTCTACGGAGCCTTGAAAGCAACGACA
GCATTTCTGAGCTCTACACCCGGCCCACTGCCCGTCATGCAGGAGGAGCACAGCTCCAGGAGCACCCC
TGGGGTTCCTACCGCTCCTGGAGCACACCAAGAAGGAA

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG220361 representing NM_028995
 Red=Cloning site Green=Tags(s)

MDGAHSAGLQLQPLPPTSGATSTLSSEGSFSYKENLIGALLAIFGHLVVSIAPNLQKYCHIRLAGSKD
 PRAYFKTKTWLGLLLLLLGGELGVFASYAFAPLSLIVPLSAVSVIASAIIIGIIFIKEKWKPKDFVRRYVL
 SFVGCGLAIVGTYLLVTFAPNSHEKMTGENIARHLVSWPFLLYMLVAIVLFCLLLYFYKERNANSIIVIL
 LLVALLGSMTVVTVKAVSGMLVLSIQGNLQLDYPIFYVMFVCMVATAIYQATFLSEASQIYDSSLIASVG
 YILSTTAITAGAIIFYLDFLGEEALHICMFALGCLIAFLGVFLITRNRKKAIPFEPYISMDAMPGMQDMH
 AKGTTVQPDLKASFSYGALESNDSISELYTPATLPVMQEEHSSRSTPGVPYRVLEHTKKE

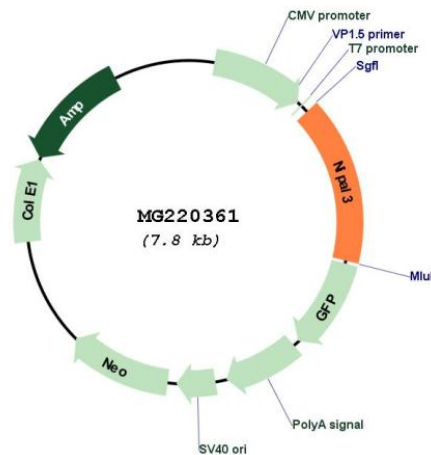
TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_028995

ORF Size:	1230 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:	<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:	NM_028995.3 , NP_083271.1
RefSeq Size:	5025 bp
RefSeq ORF:	1233 bp
Locus ID:	74552
UniProt ID:	Q8BGN5
Cytogenetics:	4 D3