

Product datasheet for **MG206958**

Nim1k (NM_175538) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Nim1k (NM_175538) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Nim1k
Synonyms:	E130304F04Rik; Nim1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG206958 representing NM_175538 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGACAGCAGTGTGGTGAATGGAGGGCGCTGGTGAACACACATTGTGACAGGTGGGAGCGGAGGGACA
CGCTGGAAAGCAGCTGTGACAGCCAGGGCGCAAGGACAGCGAGGAGACCAGCAGCGCCAGCTGACACC
CTTCGAGAAACTGACTCAGGACATGTGCCAGGATGAGAAGGTGGTGGGAGATCACGCTGGGAAACGC
ATTGGCTTCTATCGGATTCGAGGGGAGATCGGAAGCGGAAACTTTCCAGGTCAAGCTGGGGATCACT
CCCTAACCAAAGAAAAGGTGGCCATTAAGATTCTGGACAAAACCAAGTTAGACCAGAAAACCCAAAGGCT
GTTATCCAGAGAGATTTCCAGCATGGAAAAGTTGCATCATCCCAACATCGTCCGTCTTTATGAAGTCGTG
GAGACACTGTCCAAGCTACACCTAGTGATGGAGTATGCAGGAGGTGGGAGCTTTTTGAAAAATTAGCA
CCGAGGGGAAGCTTTCTGAACCGGAAAGCAAGCTTATCTTCTCCAGATCCTGTCTGCCGTGAAGCACAT
GCATGAAAATCAAATTATTCACAGAGATCTGAAAGCAGAAAACGCTCTTTATACCAAGTAGGACTTGTGTG
AAGGTGGGAGATTTTGGATTTCAGCACAGTAAGTAAGAAAGGCGAGATGCTGAACACTTTCTGTGGATCTC
CACCTACGCGGCACCAGAACTTTTCGAGACCAACACTACGTTGGTGTATGTGGATATCTGGGCCTT
GGGTGTCTTTTGTACTTCATGGTGACTGGCACGATGCCATTTTCGAGCGGAGACCGTGGCCAAGCTAAAG
AAGAGCATCCTCGAGGGTACCTACACCATACCCAGCATGTGTCTGAGCCTTGTACCCGGCTCATCCGAG
GAGTCCTTCAGCCACGCCACAGAGAGGTATGGGATCAACTACATCATGAGCAATGAATGGATGCGGAGG
GGTGCCATACCCACCCCTTTGGAACCGTTCCAACCTGGATCCCAAACATTTGTCGAAACCAGTACCCTC
AAAGAAGAAGAAAACGAGGTGAAGAGCACTTTAGAACACTTGGGGATTACAGACGAACATATCCGGAATA
ACCAAGGGAGAGATGCTCGGAGCTATACGCGGGTCTATAGAATCATTTTACATCGAGTGCAAAGAAG
AAAAGCATTGGAAAGTGTCCAATAATGATACTACCAGAACCTAAAGAAAGGGACTTAAAGAAAGGGTCC
CGTATCTACAGAGGCATAAGACACACATCTAAATTTTGTCAATTTTA

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG206958 representing NM_175538
 Red=Cloning site Green=Tags(s)

MTAVFVNGGGLVNTHCDRWERDSESSCQTEGGKDSEEDQQRQLTPFEKLTQDMCQDEKVVREITLGKR
 IGFYRIRGEIGSGNFSQVKLGIHSLTKEKVAIKILDKTKLDQKTQRLLSREISSMEKLNHPNIVRLYEYV
 ETL SKLHLVMEYAGGGELFGKISTEGLSEPEKLIIFSQILSAVKHMHENQIIHRDLKAENVFYTSRTC
 V KVGDFGFSTVSKKGEMLNTFCGSPPYAAPELFRDQHYVGVYVDI WALGVLLYFMVTGTMPPFRAETVAKLK
 KSILEGTYTIPQHVSEPCRLIRGVLQPTPTERYGINYIMSNEWMRGVYPPTLEPFQLDPKHLSETSTL
 KEEENEVKSTLEHLGITDEHIRNNQGRDARSSITGVYRIILHRVQRRKALESVPIMILPEPKERDLKKG
 RIYRGIRHTSKFCSIL

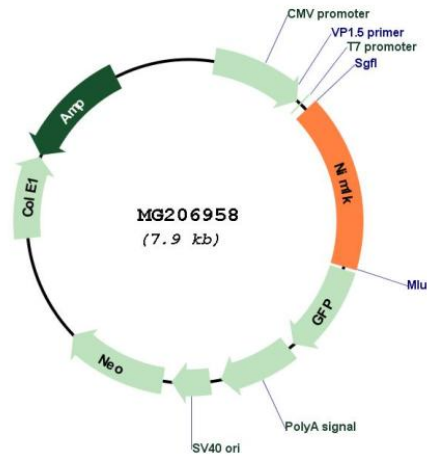
TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_175538

ORF Size:	1308 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_175538.3 , NP_780747.1
RefSeq Size:	4103 bp
RefSeq ORF:	1311 bp
Locus ID:	245269
UniProt ID:	Q8BHI9
Cytogenetics:	13 D2.3