

Product datasheet for **RG207250**

NIM1K (NM_153361) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	NIM1K (NM_153361) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	NIM1K
Synonyms:	NIM1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG207250 representing NM_153361 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGACTGCAGTGTATATGAATGGAGGTGGCCTGGTGAACCCCATATGCCCGGTGGGATCGGCGCGACA
GTGTAGAAAGTGGCTGTCCAGACGAGAGTAGCAAGGAGGGTGAGGAGGGACAGCCCGCCAGCTGACGCC
CTTCGAGAAACTGACACAGGACATGTCCAGGATGAGAAGGTGGTGAAGGAGATCAGCTGGGAAACGG
ATAGGCTTCTACGAATTCGAGGGGAAATCGGAAGTGGAACTTCTCCCAAGTGAAGCTTGGGATCACT
CCCTAACCAAAGAAAAGGTGGCCATTAAGATCCTGGACAAGCAAGTTAGACCAGAAAACCCAGAGGCT
ACTATCCCGAGAAATCTCCAGCATGGAAAAGCTGCACCATCCCAACATCATCCGCCTTACGAAAGTGGT
GAGACCTATCCAAGCTGCACTTGGTGTGGAGTATGCAGGGGGTGGGAGCTCTTCGAAAAATTAGCA
CTGAGGGGAAGCTCTCTGAACCAAGCAAGCTCATCTTCTCCAGATTGTGTCTGCCGTGAAGCACAT
GCATGAAAACCAATTAATCATAGAGATCTGAAAGCAGAAAAATGATTCTATACCAGTAATACTTGTGTG
AAGGTGGGCGATTTTGGATTTCAGCACAGTAAGCAAAAAGGTGAAATGCTGAACACTTTCTGTGGTCTC
CTCCCTACGCTGCGCCTGAACTTTCGGGACGAGCACTACATCGGCATTTACGTGGATATCTGGGCCTT
GGGGTGTCTTTGTACTTCATGGTACTGGCACCATGCCATTTCCGGCAGAAAACCGTGGCCAACTAAAA
AAGAGCATCCTCGAGGGACATACAGTGTACCGCCGACGTGTCAGAGCCCTGCCACCGACTCATCCGAG
GAGTCTTCAGCAGATCCCCACGGAGAGGTACGGAATCGACTGCATCATGAATGATGAATGGATGCAAGG
GGTGCCATACCCTACACCTTTGGAACCTTTCCAACCTGGATCCCAAACATTTGTCGAAAACAGCACTCTC
AAGGAAGAAGAAAATGAGGTCAAAGCACTTTAGAACATTTGGGCATTACAGAAGAGCATATTCGAAATA
ACCAAGGGAGAGATGCTCGCAGCTCAATCACAGGGGTCTATAGAATATTTTACATAGAGTCCAAAGGAA
GAAGGCTTTGAAAGTGTCCAGTCATGATGCTACCAGACCTAAAGAAAGAGACCTCAAAAAGGGTCC
CGTGTCTACAGAGGGATAAGACACATCCAAATTTTGTCTCGATTTTA

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >RG207250 representing NM_153361
 Red=Cloning site Green=Tags(s)

MTAVYMNGGGLVNPHYARWDRRDSVESGCQTESSKEGEEGQPRQLTPFEKLTQDMSQDEKVVREITLGKR
 IGFYRIRGEIGSGNFSQVKLGIHSLTKEKVAIKILDKTKLDQKTQRLLSREISSMEKLLHHPNIIRLYEVV
 ETL SKLHLVMEYAGGGELFGKISTEGKLSEPEKLIIFSQIVSAVKHMHENQIIHRDLKAENVFYTSNTCV
 KVGDFGFSTVSKKGEMLNTFCGSPPYAAPELFRDEHYIGIYVDI WALGVLLYFMVTGTMPFRAETVAKLK
 KSILEGTYSVPPHYSEPCHLIRGVLQQIPTERYGIDCIMNDEWMQGVYPPTLEPFQLDPKHLSETSTL
 KEEENEVKSTLEHLGITEHIRNNQGRDARSSITGVYRIILHRVQRKKALESVPVMMLPDKERDLKKG
 RYVRGIRHTSKFCSIL

TRTRPLE - GFP Tag - V

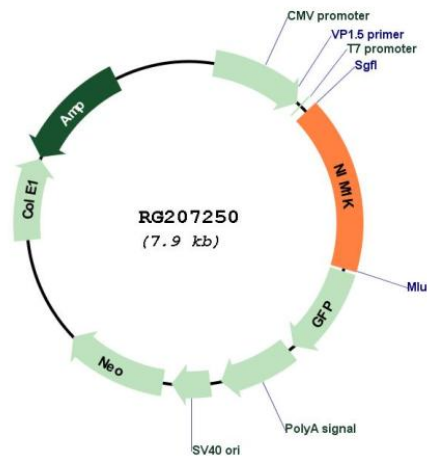
Restriction Sites:

SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN:

NM_153361

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_153361.2 , NP_699192.1
RefSeq Size:	2326 bp
RefSeq ORF:	1311 bp
Locus ID:	167359
UniProt ID:	Q8IY84
Cytogenetics:	5p12
Protein Families:	Druggable Genome, Protein Kinase