

Product datasheet for **MG213087**

Nol4 (NM_199024) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Nol4 (NM_199024) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Nol4
Synonyms:	1700013J13Rik; 4930568N03Rik; Gm1262
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>MG213087 representing NM_199024
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCGCGATCGCC

ATGGAGAGCGAGCGCACATGTACGCCAGTTCAGGACTGGTGCCTTAGGACTTACGGGGACTCAGGCA
 AGACCAAGACGGTGACCCGTAAGAAATATGAGCGGATTGTTTACGCTTCTCAACGGCTCAGAGTCAAGCTC
 CACCGACAATGCCAAATTTAAATTTCTGGGTCAAATCGAAGGGTTTCCAGCTGGGCCAGCCTGATGAGGTC
 CGTGGGGGAGGCGCGCCGCAAGCAAGTCTTCTGTCGCGGTCAAGACCACGGATGGCGTAGGAGTTG
 ATGAGAAGCTGTCTTACGGCGAGTGGCTGTGGTTGAAGATTTCTTTGACATCATCTATTCCATGCATGT
 GGAGACAGGGCCGAATGGAGAGCAAATCCGAAACACGCTGGGCAGAAGAGAAGTACAAAGCAATTTCA
 GAGAGCTATGCCTTCTACCAAGAGAAGCGGTGACACGGTTTCTAATGAGCTGTTCCGAGTGCCAGAAAA
 GAATGCACCTGAACCCAGATGGAACGGATCACAAAGATAATGAAAGCCTCTACACTGGTGACCAGCAT
 GATCGACTACAACATGCCAATCACAATGGCGTACATGAAGCACATGAAACTGCAGCTTCTGAACTCACAG
 CAAGATGAGGATGAAAGCTCAATAGAAAGTGACGAATTTGACATGAGTGATTCAACACGAATGTCAGCCG
 TGAACCTTGACCTTAGCTCCAACCTGGAAGAAAGAAATGCAAAGTCCCCAGACTGTCCATGGCCAGCAAGA
 TGATGACTCTGCTGCAGAGAGCTCTAATGGCAATGAGACTCTGGGGCACAGCTCAGCTGCTTCAGGGGGA
 GCATGGCAGGGAGCCCGAGGACTCCAGCAGTGTGGCAAAAACGGGCTGGAGCAGGAAGAGCAGCCAC
 TGAACCTGAGTGACAGCCCCAGCTCTGCACAGCTCACTTCAGAGTTCAGGATAGATGACCAAGGCAGTGA
 TGGGAAAAACAAGTATAAGAATCTTCTAATCTCTGACCTCAAGATGGAACGAGAAGCGAGAGAAAAATGGA
 AGCAAGTCTCCAGCACACAGCTACTCCAGCTATGACTCTGGCAAAAATGAGAGTGTGATCGAGGTGCAG
 AGGATCTGTCACTCAACAGGGGAGATGAAGATGAAGATGAACATGATGAGCATGAGGATTCGGAGAAGGT
 GAACGAGACAGATGGTGTGGAAGCTGAGAGGCTGAAAGCTTCAATTCTCGACCTATCCCTCCCACCTT
 ACTTCAGCAGTTGCAGAGAGTATCTTGGCTTCAGCCTGTGAAAGCGAGAGTAGAAATGCTGCCAAGAGGA
 TGCGTCTGGATAAAGCACAGGATGAAGCTGCTCCTGCTGACAAACAGTGCAAGCCGGAGGCAGCCAGGC
 CACCTACTCAACAGCTACTGTTCCAGGCTCCCAGGAGGCCACAGATC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>MG213087 representing NM_199024
 Red=Cloning site Green=Tags(s)

MESERDMYRQFQDWLRTYGDGSGKTKTVTRKKYERIVQLLNGSESSSTDNAKFKFWVKSkgfLgQPDEV
 RGGGGGAKQVLFVRVKT TDG VGVDEKLSLRVAVVEDFDIIYSMHVETGPNGEQIRKHAGQKRTYKAIS
 ESYAFLPREAVTRFLMSCSECQKRMHLNPDGTDHKDNGKPPTLV TSMIDYNMPTMAYMKHMKLQLLNSQ
 QDEDESSIESDEFDMSDSTRMSAVNSDLSNLEERMQSPQTVHGQQDDDSAAESSNGNETLGHSSAASGG
 AHGREPEDSSDGKTGLEQEQLNLSDSPSSAQLTSEFRIDDQSDGKKNYKNLLI SDLK MEREARENG
 SKSPAHSYSSYDSGKNESVDRGAEDLSLNRGDEDEDEHDEHEDSEKVNEDTGVEAERLKAfNSRPiPSHL
 TSAVAESILASACESESrNAAKRMLDKAQDEAAPADKQCKPEAAQATYSTATVPGSQEDPQI

TRTRPLE - GFP Tag - V

Restriction Sites:

Sgfl-MluI

Cloning Scheme:


ACCN: NM_199024

ORF Size: 1449 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_199024.3](#)

RefSeq Size: 5029 bp

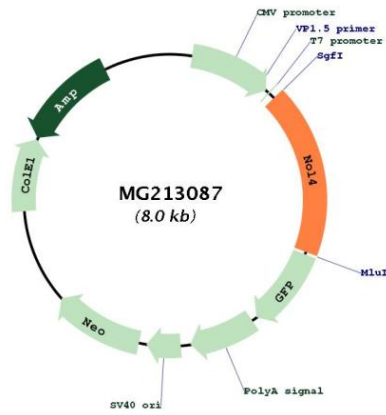
RefSeq ORF: 1452 bp

Locus ID: 319211

UniProt ID: [P60954](#)

Cytogenetics: 18 A2

Product images:



Circular map for MG213087