

Product datasheet for **RG231302**

NOL4 (NM_001198548) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	NOL4 (NM_001198548) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	NOL4
Synonyms:	CT125; HRIHFB2255; NOLP
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>RG231302 representing NM_001198548
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGAGAGCGAGCGCACATGTACCGCCAGTTCAGGACTGGTGCCTCAGGACTTACGGGGACTCAGGCA
 AGACCAAGACGGTGACCCGTAAAAAATACGAACGGATCGTCCAGCTCCTCAATGGCTCCGAGTCGAGCTC
 CACGGACAACGCCAAATTTAAATTTCTGGGTCAAATCGAAGGGCTTCCAGCTGGGCCAGCCGGACGAGGTC
 CGCGGGGGAGGCGCGCGCCAAGCAAGTCTCTACGTGCCTGTCAAGACCACGGATGGCGTAGGGGTAG
 ATGAGAAGCTATCTTTACGACGGGTAGCTGTGGTTGAAGATTTCTTTGACATTATTTATTCGATGCATGT
 GGAAACGGGGCCAAATGGAGAACAATTCGAAACACGCTGGACAAAAGAGAAGTACAAAGCAATTTCA
 GAGAGCTATGCCTTCTACCAAGAGAAGCGGTGACACGATTTCTAATGAGCTGCTCAGAGTGCCAGAAAA
 GAATGCATTTAAACCCAGATGGAACAGATCATAAAGATAATGGAAAACCTCCACTTTGGTGACCAGCAT
 GATTGACTACAACATGCCAATTACCATGGCCTACATGAAACACATGAAGCTGCAGCTGCTAAACTCACAG
 CAAGATGAGGATGAAAGTTCAATAGAAAGTGATGAATTTGACATGAGTGATTCAACACGGATGTCAGCTG
 TGAACCTGTATCTTAGCTCCAATCTTGAAGAAAGAAATGCAAAGTCCCCAGAATCTTCATGGCCAGCAAGA
 TGATGATTCTGCTGCAGAGAGCTTAAATGGCAATGAGACTCTGGGGCACAGTTCAATTGCTTCAGGGGGA
 ACACACAGCAGGGAGATGGGAGACTCCAACAGTATGGCAAACTGGGCTGGAGCAAGATGAACAGCCAC
 TGAACCTGAGTGACAGTCCCCTCTCTGCGCAGTAACTTCGGAATACAGAATAGATGATCACAACAGTAA
 TGGGAAAAACAAGTATAAGAATCTTCTAATTTCTGACCTCAAGATGGAACGAGAGGCGAGAGAAAAATGGA
 AGCAAGTCTCCTGCACATAGTTACTCCAGCTATGACTCTGGCAAAAATGAGAGTGTAGACCGAGGAGCTG
 AGGACCTCTCACTAAACAGGGGAGATGAGGACGAAGATGACCAGGAGCCATGACGATTCGGAGAAAAGT
 TAATGAGACAGACGGCGCTTGAAGCCGAGCGGCTGAAAGCTTTTAAATGATGAGTCTGCTCCAGCTGACAAA
 CAGTGTAACACAGAGGCGACCCAGGCCACTTACTCAACATCAGCTGTTCCAGGCTCACAGGACGTGCTGT
 ACATCAATGGAATGGGACCTATAGTTACCATAGTTACAGAGGGCTAGGAGGGGGTCTGCTAAATCTGAA
 TGATGCTTCCAGCAGTGGACCCACTGATCTCAGCATGAAGAGACAATTGGCGACTAGCTCAGGATCCTCC
 AGCAGCTCAAACCTCCAGACCCAGCTGAGTCCAACCTGAAATCAATGCCGTGAGACAGCTTGTTCAGGAT
 ATCGAGAATCAGCTGCATTTTTATTGCGATCTGCAGATGAACTGGAAAATCTCATTTTACAACAGAAC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>RG231302 representing NM_001198548
 Red=Cloning site Green=Tags(s)

MESERDMYRQFQDWCLRTYGDGSKTKTVTRKKYERIVQLLNSESSSTDNAKFKFWVKSQFQLGQPDEV
 RGGGGGAKQVLYVPVKTTDVGVDKLSLRVAVVEDFFDIIYSMHVETGPNGEQIRKHAGQKRTYKAIS
 ESYAFLPREAVTRFLMSCSECQKRMHLNPDGTDHKDNGKPPTLVTSMDYNNPITMAYMKHMKLQLLNSQ
 QDEDESSIESDEFDMSDSTRMSAVNSDLSSNLEERMQSPQNLHGQQDDDSAAESFNGETLGHSSIASGG
 THSREMGDSNSDGKTGLEQDEQPLNLSDSPLSAQLTSEYRIDDHNSNGKNKYKNLLISDLKMEREARENG
 SKSPAHSYSSYDSGKNESVDRGAEDLSLNRGDEDEDDHEDHDDSEKVNEDTGVEAERLKAFNDESAPADK
 QCKPEATQATYSTSAVPGSQDVLVINGNGTYSYHSYRGLGGLLNLNDASSSGPTDLSMKRQLATSSGSS
 SSSNSRQLSPTEINAVRQLVAGYRESAAFLLRSADELENLILQQN

TRTRPLE - GFP Tag - V

Restriction Sites:

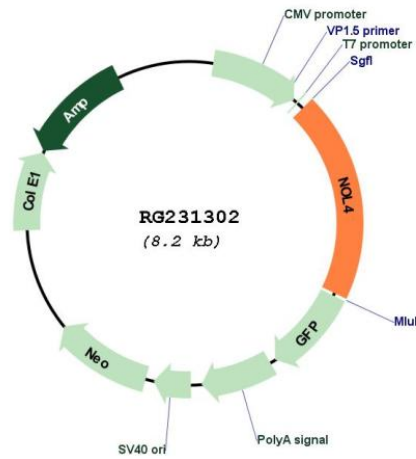
Sgfl-MluI

Cloning Scheme:

Cloning sites used for ORF Shutting:



Plasmid Map:



ACCN:	NM_001198548
ORF Size:	1608 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_001198548.1 , NP_001185477.1
RefSeq Size:	3662 bp
RefSeq ORF:	1611 bp
Locus ID:	8715
UniProt ID:	O94818
Cytogenetics:	18q12.1