

Product datasheet for **MG209965**

Nub1 (NM_016736) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Nub1 (NM_016736) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Nub1
Synonyms:	4931404D21Rik; 6330412F12Rik; BS4; NY-REN-18
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>MG209965 representing NM_016736
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGCGCAGAAGAAATATCTTCAAGCAAACTGACTCAGTTTCTAAGGGAAGACAGAATCAACTTTGGA
 AACCTCCATATACTAAAGAAAATAGGAAGTTGGTTTGGCCGTAAAGGACCTTGCTAAGAACTACTCTGA
 GCGGCTGGAGTGCTGTGAAAACGAAGTGGAACATAATCGAGGAAATCCGACGCAAGCAATTGAGCGC
 GGCACTGGGAATGAACACTACCGAACAAGTGGGATCGCCACCATTGAGGTGTTCTGCCTCCAAGGCTCC
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 TGTTAGCTATGGGATATCACGAGAAGGGCAGAGCTTCTGAAAAGAAAAGAGTATGGAATAGCCCTGCC
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 GTTCTCAGGAGAGGACTCTCCCCACACCATCCACATCCCATCTGACTCTGCAGGACCTCTAGTGCC
 TCGACAGATGAAGACATGGAGACGAGGCTGTCAACGAAATCCTGGAGGACATCCGGAGCACGAGGAGG
 ACTACCTGGACTCCACGCTGGAGGATGAAGAAGTCATTATTGCTGAATACTTGCTCTACGTTGAAAGTAT
 AAGTTCTGCCGAAAGAACAAC

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence:

>MG209965 representing NM_016736
 Red=Cloning site Green=Tags(s)

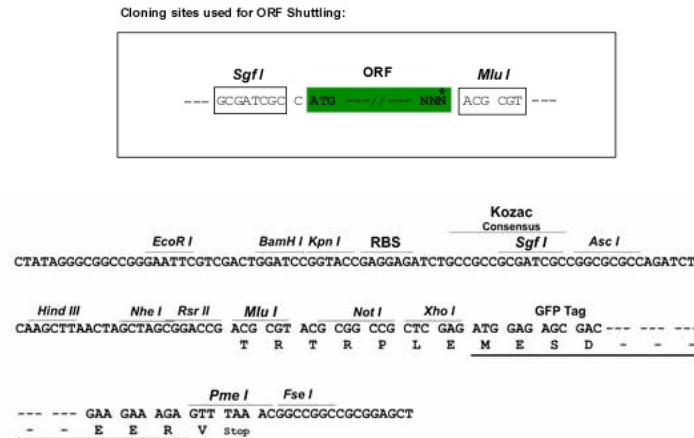
MAQKKYLQAKLTQFLREDRIQLWKPPYTKENKEVGLAVKDLAKKYSERLECCENEVENIIEEIRRKAIER
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 RKEEKEKRRRRLNVNLTGRMGYSTQAAKQALHQARGNLDDALKVLLSNPHMWWLQDADPENNSRQASPS
 QESINQLVYMGFDTVVAEALRVFGGNVQLAAQTLAHHGGSLPPDLQFSGEDSSPTPSTSPSDSAGTSSA
 STDEDMETEAVNEILEDIPEHEEDYLDSTLEDEEVIIAEYLSYVESISSAAKNN

TRTRPLE – GFP Tag – V

Restriction Sites:

Sgfl-MluI

Cloning Scheme:



ACCN: NM_016736

ORF Size: 1842 bp

OTI Disclaimer: Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.

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.

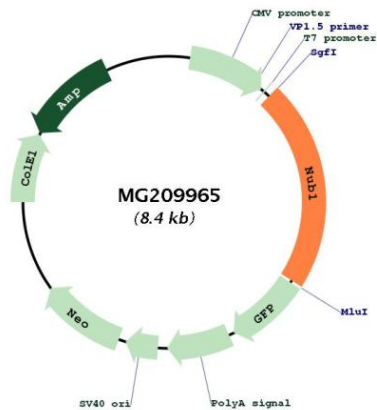
Components: The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

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.

Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	NM_016736.2 , NP_058016.2
RefSeq Size:	3455 bp
RefSeq ORF:	1845 bp
Locus ID:	53312
UniProt ID:	P54729
Cytogenetics:	5 A3
Gene Summary:	Specific down-regulator of the NEDD8 conjugation system. Recruits NEDD8, UBD, and their conjugates to the proteasome for degradation (By similarity).[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MG209965