

## Product datasheet for **MG212089**

### Nup210 (BC052468) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Nup210 (BC052468) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Nup210
Synonyms:	9830001L10, gp190, gp210
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG212089 representing BC052468 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGCGCGGGCCTCACTAGTGCAGCCGGCGCTCTGGGCGTCTGTTGCTGCAGGTAGTGGGTCCC  
CGGCCCAAGCTTAACATTCACAGGTGCTGCTGCCCTCACCGGGCCACGCGCTGAATTCCTCT  
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TCCAGTGAACAGCAGTGTCCAGAAAGCAGTGGTGCAGGCCGCTTGACCCAGCCAGCCCGCTGACCA  
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CGGCATTCAGATTGTCTCTACCACCGTGAGCTCTATCTTGAGGACTCTCCACTGGAGCTGAAGATCCAG  
GCTCTGGACTCAGAAGGGAATACCTTCAGCACCTTGGCAGGACTGGTCTTCGACTGGACAATTGTGAAGG  
ATACAGAGGCCAATGGATTCTCAGACTCCACAATGCACTCCGCATCCTCACCTTCTTGGAACTACGTA  
TATCCCACCTTCTACATCTCAGAGATGGAGAAGGCAGCAAGCAGGGCCGACACCATCCTAGTGTCTGGG  
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ACAGTCTACCCTGGTGACAGATGGGTGCTTGAGACTGGACATCTGTATGCAATTACCATCGAAGTATTTG  
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AGCTCCATGGTTGCCACAGTCACCGTCAAGGGGGTTCATGACCACAAGTGGTGACTGGCCTCAGTGTGA  
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CAGTGGGTGTCTTGGATCCCACAGCTGGCAGCCAGGGCCCTCTGTCCACTGCCCTGACCTTCTCCAGCCC  
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 TGGCTGGGACAGCAGTACCATTATAGCCTACCATACAGTCTGTGCACCCCGGAACTTGCTTACCACCT  
 GGCCCTCAGCCCCGTGCCAGCCCTCAGCACAGCCCCACTATCTGCCTCATCTCCGGCTGCTTCAAC  
 ACACTGCCTTCTGGTCGCAAAGCCAGCCCTCCCTCGGGCTCTGGAGCCAGCCTATGCCTCTCAC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

**Protein Sequence:**

>MG212089 representing BC052468  
 Red=Cloning site Green=Tags(s)

MARASLVQPALWALLLLQVVGPA AAAAKLNIPKVLPPFTRATRVNFTLEASEGCRYWSSTRPEVASIEPLG  
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 YELQLQNSIPDPQGDPARPVAILTQDTSRVTAMQMGSNLVLGHRISIRMGASRLPNSTIYVVEAGYLG  
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 ISATLTSVVDQDGGVHVLQVPVWNQQEVDIHIPITLYPSILTFPWQPKTGAYQYTIKAHGGSGNFSWSS  
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 IIRTVSVGLTLLHVWDVEHLGLSDFVPLPVLQAITPELSGAVVVDILCLASVLTSLGGVSGTWSSSASH  
 VLYVDPKTVGVAIARDAGSVTVVYIEIAGQLKTFKEIVVGTQPKIVARRLHSAQTSIQEATASKVTVSVGDR  
 SSNLLGECSPAQREAI EALHPESLISQQLQFKQDVDFPACDVFVTEPGFDAALGQYLCSVTMRRLTDKQ  
 LKHLNMKKTSLAVTASIPSSYTSVEKVGAEVPPSPGLYANQAEILLSNHYTSSEVKVFGAVESLENLEVK  
 SGSPAVLAFVKEKSFGLPSFITYTVGLDPTAGSQGPLSTALTFSSPATNQAITIPVTVAFVLDRRGPGP  
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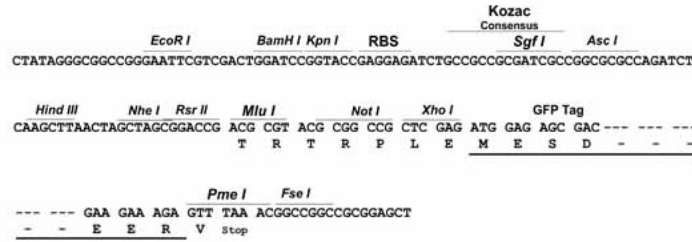
TRTRPLE - GFP Tag - V

**Restriction Sites:**

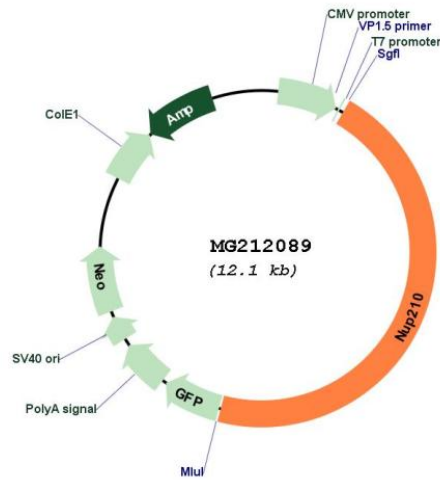
Sgfl-MluI

Cloning Scheme:

Cloning sites used for ORF Shutting:



Plasmid Map:



ACCN: BC052468

ORF Size: 5528 bp

<b>OTI Disclaimer:</b>	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. <a href="#">More info</a>
<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">BC052468</a> , <a href="#">AAH52468</a>
<b>RefSeq Size:</b>	6914 bp
<b>RefSeq ORF:</b>	5528 bp
<b>Locus ID:</b>	54563
<b>Cytogenetics:</b>	6 40.3 cM
<b>Gene Summary:</b>	Nucleoporin essential for nuclear pore assembly and fusion, nuclear pore spacing, as well as structural integrity.[UniProtKB/Swiss-Prot Function]