

## Product datasheet for **MG220686**

### Rnd2 (NM\_009708) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Rnd2 (NM_009708) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Rnd2
Synonyms:	Arhn; rho7; Rohn
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG220686 representing NM_009708 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGAGGGGCAGAGTGGCCGCTGCAAGATCGTAGTGGTGGGGACCGGAGTGCGGCAAGACAGCGTTGC  
TGCAGGTGTTCCGAAGGACGCCACCCCGGGAGTTATGTCCCCACGGTGTGAGAACTAACTGCCAG  
CTTCGAGATCGACAAGCGCCGATTGAGCTCAACATGTGGGATACTTCAGGTTCTCTTACTATGACAAT  
GTCCGGCCTCTGGCCTACCCGGATTCTGATGCTGTGCTTATCTGCTTTGACATTAGCCGGCCAGAAACAC  
TGGACAGTGTCTCAAGAAGTGGCAAGGAGAGACTCAGGAGTTTTGCCCAATGCCAAGGTGGTGTGGT  
TGGCTGTAAGCTGGACATGCGGACTGACCTGGCCACACTGAGGGAGCTATCCAAGCAGAGACTCATCCCT  
GTCACACATGAGCAGGACTGTGCTGGCCAAGCAAGTGGGAGCTGTGCTCCTACGTTGAATGTTCTCCCT  
GATCTTCTGAGCGCAGTGTCCGGGATGTCTTCCATGTGGCCACAGTGGCTTCTCTCGGCCGTGGCCATAG  
GCAGCTACGTCGTAAGTACTCTCGCCGGGGACTGCAGCGATCCACTCAACTGTCCGGGACGCCAGACCGG  
GGAAATGAGGGCGAGATGCATAAGGATCGAGCCAAGAGCTGTAACCTCATG

**ACGCGT**ACGCGGGCCGCTCGAG - GFP Tag - GTTTAA



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**Protein Sequence:** >MG220686 representing NM\_009708  
 Red=Cloning site Green=Tags(s)

MEGQSGRCKIVVVGDAECGKTALLQVFAKDAYPGSYVPTVFENYASFEIDKRRIELNMWDTSGSSYYDN  
 VRPLAYPDSDAVLICFDISRPE TLDSVLKKWQGETQEFCPNAKVVLVGCKLDMRTDLATLREL SKQRLIP  
 VTHEQGTVLAKQVGAVSYVECSSRSERSVRDVFHVATVASLGRGHRQLRRTDSRRGLQRSTQLSGRPDR  
 GNEGEMHKDRAKSCNLM

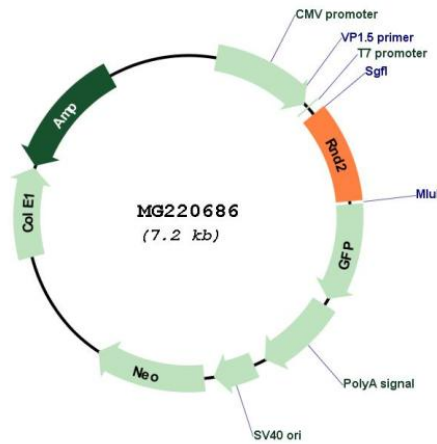
TRTRPLE - GFP Tag - V

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**Plasmid Map:**



**ACCN:** NM\_009708

**ORF Size:** 681 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="#">NM_009708.2</a>
<b>RefSeq Size:</b>	684 bp
<b>RefSeq ORF:</b>	684 bp
<b>Locus ID:</b>	11858
<b>UniProt ID:</b>	<a href="#">Q9QYM5</a>
<b>Cytogenetics:</b>	11 D
<b>Gene Summary:</b>	May be specifically involved in neuronal and hepatic functions. Is a C3 toxin-insensitive member of the Rho subfamily (By similarity).[UniProtKB/Swiss-Prot Function]