

## Product datasheet for **MG217926**

### **Nrg2 (NM\_001167891) Mouse Tagged ORF Clone**

#### **Product data:**

|                           |                                            |
|---------------------------|--------------------------------------------|
| Product Type:             | Expression Plasmids                        |
| Product Name:             | Nrg2 (NM_001167891) Mouse Tagged ORF Clone |
| Tag:                      | TurboGFP                                   |
| Symbol:                   | Nrg2                                       |
| Synonyms:                 | Don1; NTAK                                 |
| Mammalian Cell Selection: | Neomycin                                   |
| Vector:                   | pCMV6-AC-GFP (PS100010)                    |
| E. coli Selection:        | Ampicillin (100 ug/mL)                     |



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**Protein Sequence:** >MG217926 representing NM\_001167891  
 Red=Cloning site Green=Tags(s)

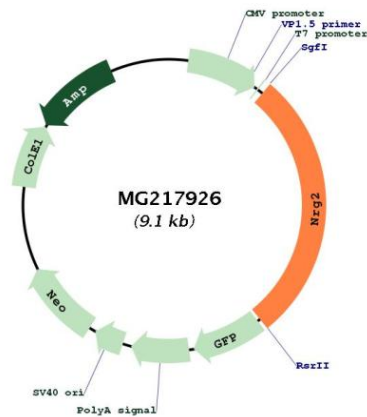
```
MRQVCCSALPPPLEKARCSSYSYSYSDSSSSTTSSSRSSSSSSSRNSSSSNSSSESSGSNSGSSSIFRP
AAPPEPRPQPQPQRSPAARRAAARSRAAAAGGMRRDPAPGFSMLLFGVSLACYSPSLKSVQDQAYKAPV
VVEGKVQGLAPAGGSSSNSTREPPASGRVALVKVLDKWPLRSGGLQREQVISVGSCAPLERNQRYIFFLE
PTEQPLVFKTAFAPVDPNGKNIKKEVGKILCTDCATRPKLLKMKSQTGEVGEKQSLKCEAAAGNPQPSYR
WFKDGGKELNRSRDIRIKYGNRKNRSLQFNKVRVEDAGEYVCEAENILGKDTVGRGLHVNSVSTLSSWS
GHARKCNETAKSYCVNGGVCYYIEGINQLSCKCPNGFFGQRCLEKLPLRLYMPDPKQKAEELYQKRVLTI
TGICVALLVVGIVCVVAYCKTKKQRRQMHHHLRQNMCPAHQNRSLANGPSPRLDPEEIQMADYISKVNP
ATDHVIRREAETTFSGSHSCSPSHHCSTATPTSSRHESHWSLERSSELTSDSQSGIMLSSVGTSKCNS
PACVEARARRAAAYSQEERRRAAMPYHDSIDSLRDSPHSERYVSAL TTPARLSPVDFHYSLATQVPTFE
ITSPNSAHAVSLPPAAPISYRLAEQQPLL RHPAPPGPGGSGPGADMQRSYDSYYPAAAGPGRRSACAL
GGSLGSLPASPFRIPEDEYETTQECAPPPPPRPRTRGASRRTSAGPRRWRRSRLNGLAAQRARAARDL
SLSSGSGCGSASASDDDADDADGALAAESTPFLGLRAAHDALRSDSPPLCPAADSRTYYSLDSHSTRASS
RHSRGPTRAKQDSGPL
```

SGPTRRRLE - GFP Tag - V

**Restriction Sites:** Sgfl-RsrII



|                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
|-------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <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>                | <u><a href="#">NM_001167891.3</a></u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>RefSeq Size:</b>           | 2839 bp                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>RefSeq ORF:</b>            | 2574 bp                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Locus ID:</b>              | 100042150                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>Cytogenetics:</b>          | 18 19.38 cM                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |

**Product images:**


Circular map for MG217926