

## Product datasheet for **MG200141**

### **Nrg4 (BC034839) Mouse Tagged ORF Clone**

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Nrg4 (BC034839) Mouse Tagged ORF Clone  
**Tag:** TurboGFP  
**Symbol:** Nrg4  
**Synonyms:** AI552600  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-AC-GFP (PS100010)  
**E. coli Selection:** Ampicillin (100 ug/mL)  
**ORF Nucleotide Sequence:** >MG200141 representing BC034839  
**Red**=Cloning site **Blue**=ORF **Green**=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

**ATGCCAACAGATCAGCAGCAGCCCTGTGGTCCCAGGCACAGGTCATTTGCCTCAATGGGGGATTGT**  
**ATGTGATCCCTACTATCCCCAGCCATTCTGTAGGTTTTATCATTGTTTCTAAGACATTGCCTACTTAA**  
**ACCATTTCGTCAATTGGGCACCTTGGTGTACCCAGTGTCTGAAGGAGTTTATTCCATTGACGCGCCCC**  
**AAGTTTCATGCAGTGTTCCTGAATGCT**

**ACGCGTACGCGGCCGCTCGAG** - GFP Tag - GTTTAA

**Protein Sequence:** >MG200141 representing BC034839  
**Red**=Cloning site **Green**=Tags(s)  
  
MPTDHEQPCGPRHRSFCLNGGICYVIPTIPSPFCRFYHLFLRHCLLKPFLVQLGTLVYPVFLKEFIPLTRP  
KFSCSVFLNA

**TRTRPLE** - GFP Tag - V

**Chromatograms:** [https://cdn.origene.com/chromatograms/ja2235\\_c08.zip](https://cdn.origene.com/chromatograms/ja2235_c08.zip)

**Restriction Sites:** Sgfl-MluI



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**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.

**RefSeq:** [BC034839](#), [AAH34839](#)

**RefSeq Size:** 1165 bp

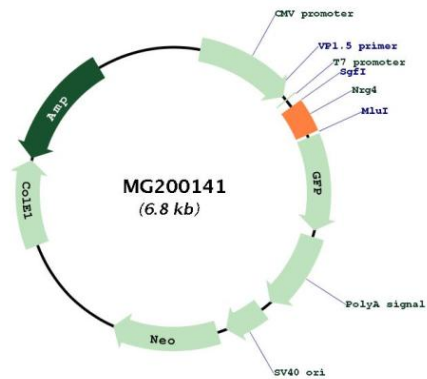
**RefSeq ORF:** 242 bp

**Locus ID:** 83961

**Cytogenetics:** 9 B

**Gene Summary:** Low affinity ligand for the ERBB4 tyrosine kinase receptor. Concomitantly recruits ERBB1 and ERBB2 coreceptors, resulting in ligand-stimulated tyrosine phosphorylation and activation of the ERBB receptors. Does not bind to the ERBB1, ERBB2 and ERBB3 receptors. [UniProtKB/Swiss-Prot Function]

**Product images:**



Circular map for MG200141