

## Product datasheet for **RG204061**

### NRBF2 (NM\_030759) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	NRBF2 (NM_030759) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	NRBF2
Synonyms:	COPR; COPR1; COPR2; NRBF-2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG204061 representing NM_030759 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGAAGTAAATGGAAGGACCCCTCAACCTGGCTCATCAACAGAGCAGACGAGCAGACCGTTTATTAGCTG  
CAGGCAAATACGAAGAGGCTATTTCTTGTACAAAAAGGCTGCAGCATATCTTTCTGAAGCCATGAAGCT  
GACACAGTCAGAGCAGGCTCATCTTCACTGGAATTGCAAAGGGATAGCCATATGAAACAGCTCCTCCTC  
ATCCAAGAGAGATGAAAAGGGCCAGCGTGAAGAAAGATTGAAAGCCAGCAGAACACAGACAAGGATG  
CAGCTGCCATCTTCAGACATCTCACAACCCTCTGCAGAGGATGCAGAGGGCCAGAGTCCCTTTCTCA  
GAAGTACAGCCCTCCACAGAGAAATGCCTGCCTGAGATTCAGGGGATCTTTGACAGGGATCCAGACACA  
CTACTTTATTTACTTCAGCAAAAGAGTGAGCCAGCAGAGCCATGTATTGGAAGCAAAGCCCCAAAAGATG  
ATAAAACAATTATAGAGGAGCAGGCAACCAAAATTGCAGATTTGAAGAGGCATGTGGAATTCCTTGTGGC  
TGAGAAATGAAAGATTAAGGAAAGAAAAATAACAATAAAGGCTGAAAAGGCCAGACTTCTAAAAGGTCCA  
ATAGAAAAGGAGCTGGATGTAGATGCTGATTTGTAGAAACGTCAGAGTTATGGAGCTTGCCACCACATG  
CAGAACTGCTACAGCCTCCTCAACCTGGCAGAAGTTCGAGCAAATACTGGGAAAGCCAAGGACATTCC  
AATCCCAATCTTCTCCCTTGATTTTCCATCTCCAGAACTTCTCTTATGGAGCTCTCTGAGGATATT  
CTGAAAGGATTTATGAATAAT

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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**Protein Sequence:** >RG204061 representing NM\_030759  
Red=Cloning site Green=Tags(s)

```
MEVMEGPLNLAHQSRRADRLLAAGKYEEAISCHKKAAAYLSEAMKLTQSEQAHLSLELQRDShMKQLLL
IQERWKRAQREERLKAQQNTDKDAAHLQTSHKPSAEDAEGQSPLSQKYSPTKCLPEIQGIFDRDPDT
LLYLLQQKSEPAEPCIGSKAPKDDKTIIEEQATKIADLKRHVFLVAENERLRKENKQLKAEKARLLKGP
IEKELDVDAFVETSELWSLPPHAETATASSTWQKFAANTGKAKDIPINLPLDFPSPPELPLMELSEDI
LKGFMNN
```

TRTRPLE - GFP Tag - V

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**ACCN:** NM\_030759

**ORF Size:** 861 bp

**OTI Disclaimer:** 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.

**RefSeq:** [NM\\_030759.5](#)

**RefSeq Size:** 1866 bp

**RefSeq ORF:** 864 bp

**Locus ID:** 29982

**UniProt ID:** [Q96F24](#)

**Cytogenetics:** 10q21.3

**Protein Families:** Druggable Genome

**Gene Summary:** May modulate transcriptional activation by target nuclear receptors. Can act as transcriptional activator (in vitro).[UniProtKB/Swiss-Prot Function]

### Product images:



Circular map for RG204061