

## Product datasheet for **RC237114**

### **NRBF2 (NM\_001282405) Human Tagged ORF Clone**

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** NRBF2 (NM\_001282405) Human Tagged ORF Clone  
**Tag:** Myc-DDK  
**Symbol:** NRBF2  
**Synonyms:** COPR; COPR1; COPR2; NRBF-2  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Cell Selection:** Neomycin  
**ORF Nucleotide Sequence:** >RC237114 representing NM\_001282405  
**Red=Cloning site Blue=ORF Green=Tags(s)**

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**GCGATCGCC**

ATGTTCCCGGCCCACTACTCCCCTTCCTAAGGCCGCCGCTTACCCGGGGTCTATGGAAGTAATGGAA  
GGACCCCTCAACCTGCATATCTTTCTGAAGCCATGAAGCTGACACAGTCAGAGCAGGCTCATCTTTCACT  
GGAATTGCAAAGGGATAGCCATATGAAACAGCTCCTCCTCATCCAAGAGAGATGGAAAAGGGCCAGCGT  
GAAGAAAGATTGAAAGCCAGCAGAACACAGACAAGGATGCAGCTGCCATCTTCAGACATCTCACAAAC  
CCTCTGCAGAGGATGCAGAGGGCCAGAGTCCCCTTTCTCAGAAGTACAGCCCTTCCACAGAGAAATGCC  
GCCTGAGATTCAGGGGATCTTTGACAGGGATCCAGACACACTACTTTATTTACTTCAGCAAAAGAGTGAG  
CCAGCAGAGCCATGTATTGGAAGCAAAGCCCCAAAAGATGATAAAACAATTATAGAGGAGCAGGCAACCA  
AAATTGCAGATTTGAAGAGGCATGTGGAATTCCTTGTGGCTGAGAATGAAAGATTAAGGAAAGAAAATAA  
ACAACAAAGGCTGAAAAGGCCAGACTTCTAAAAGGTCCAATAGAAAAGGAGCTGGATGTAGATGCTGAT  
TTTGTAGAAACGTCAGAGTTATGGAGCTTGCCACCACATGCAGAACTGCTACAGCCTCCTCAACCTGGC  
AGAAGTTCGAGCAAATACTGGGAAAGCCAAGGACATTCGAATCCCAATCTTCTCCCTTGATTTTCC  
ATCTCCAGAACTTCTCTTATGGAGCTCTCTGAGGATATTCTGAAAGATTTATGAATAAT

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RC237114 representing NM\_001282405  
Red=Cloning site Green=Tags(s)

MFPGATTPLPKAAAYPGVYGSNGRTPQPAYLSEAMKLTQSEQAHLSELEQRDISHMKQLLLIQRWKRQR  
 EERLKAQQNTDKDAAHLQTSHKPSAEDAEGQSPLSQKYSPTKCLPEIQGIFDRDPDPTLLYLLQQKSE  
 PAEPCIGSKAPKDDKTIIEEQATKIADLRHVEFLVAENERLRKENKQLKAEKARLLKGPIEKELDVAD  
 FVETSELWSLPPHAETATASSTWQKFAANTGKAKDIPIPNLPLDFPSPELPLMELSEDILKGFMMNN

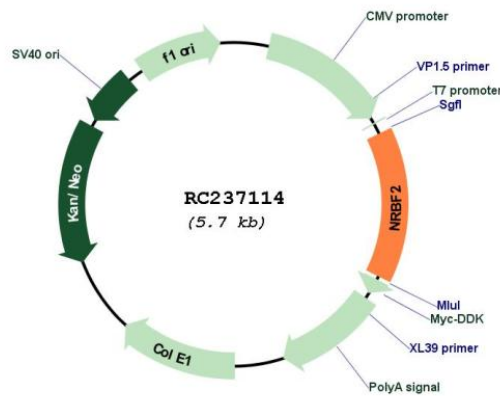
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM\_001282405  
 ORF Size: 831 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_001282405.1</a> , <a href="#">NP_001269334.1</a>
<b>RefSeq Size:</b>	1830 bp
<b>RefSeq ORF:</b>	834 bp
<b>Locus ID:</b>	29982
<b>UniProt ID:</b>	<a href="#">Q96F24</a>
<b>Cytogenetics:</b>	10q21.3
<b>Protein Families:</b>	Druggable Genome
<b>MW:</b>	31.5 kDa
<b>Gene Summary:</b>	May modulate transcriptional activation by target nuclear receptors. Can act as transcriptional activator (in vitro).[UniProtKB/Swiss-Prot Function]