

## Product datasheet for **RC236197**

### **NCE2 (UBE2F) (NM\_001278308) Human Tagged ORF Clone**

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** NCE2 (UBE2F) (NM\_001278308) Human Tagged ORF Clone  
**Tag:** Myc-DDK  
**Symbol:** UBE2F  
**Synonyms:** NCE2  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Cell Selection:** Neomycin  
**ORF Nucleotide Sequence:** >RC236197 representing NM\_001278308  
**Red=Cloning site Blue=ORF Green=Tags(s)**

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGCTAACGCTAGCAAGTAACTGAAGCGTGACGATGGTCTCAAAGGGTCCGGACGGCAGCCACAGCGT  
CCGACTCGACTCGGAGGGTTTCTGTGAGAGACAAATTGCTTGTTAAAGAGGTTGCAGAACTGAAGCTAA  
TTTACCTGTACATGTAAGTGCATTTCTGATCCAAACAAGCTTCATTGTTTTAGCTAACAGTAACC  
CCAGATGAGGGTTACTACAGGGTGAAAATTTTCAGTTTGAAACTGAAGTTCCCGATGCGTACAACATGG  
TGCTCCCAAAGTAAAATGCCTGACCAAGATCTGGCACCCCAACATCACAGAGACAGGGGAAATATGTCT  
GAGTTTATTGAGAGAACATTCAATTGATGGCACTGGCTGGGCTCCCAAGAACATTAAGGATGTCGTT  
TGGGGATTAAGCTCTTTGTTTACTGAGGACTTCCGGAATAAAGTGGATGACTACATCAAACGTTATGCCA  
GA

**ACGCGT**ACGCGGCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:** >RC236197 representing NM\_001278308  
**Red=Cloning site Green=Tags(s)**

MLTLASKLKRDDGLKGSRTAATASDSTRRVSVRDKLLVKEVALEANLPCTCKVHFDPNKLHCFQLTVT  
PDEGYQGGKQFETEVDPAYNMVPPKVKCLTKIWHPNITETGEICLSLLREHSIDGTGWAPTRTLKDVV  
WGLNSLFTEDFRNKVDDYIKRYAR

**TR**TRPLEQKLISEEDLAANDILDYKDDDDKV

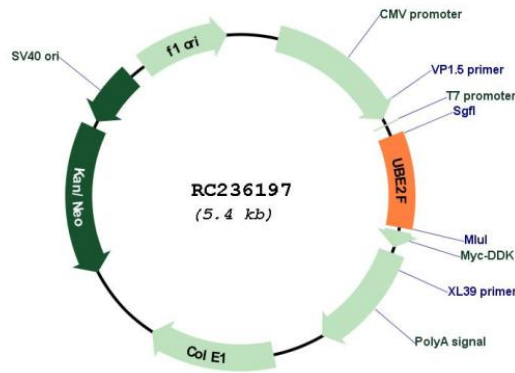
**Restriction Sites:** SgfI-MluI



Cloning Scheme:



Plasmid Map:



ACCN: NM\_001278308

ORF Size: 492 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.

<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_001278308.1</a></u> , <u><a href="#">NP_001265237.1</a></u>
<b>RefSeq Size:</b>	2143 bp
<b>RefSeq ORF:</b>	495 bp
<b>Locus ID:</b>	140739
<b>UniProt ID:</b>	<u><a href="#">Q969M7</a></u>
<b>Cytogenetics:</b>	2q37.3
<b>Protein Pathways:</b>	Ubiquitin mediated proteolysis
<b>MW:</b>	19.1 kDa
<b>Gene Summary:</b>	Accepts the ubiquitin-like protein NEDD8 from the UBA3-NAE1 E1 complex and catalyzes its covalent attachment to other proteins. The specific interaction with the E3 ubiquitin ligase RBX2, but not RBX1, suggests that the RBX2-UBE2F complex neddylates specific target proteins, such as CUL5.[UniProtKB/Swiss-Prot Function]