

Product datasheet for **RC236100**

NCE2 (UBE2F) (NM_001278307) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: NCE2 (UBE2F) (NM_001278307) 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: >RC236100 representing NM_001278307
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGCTAACGCTAGCAAGTAACTGAAGCGTGACGATGGTCTCAAAGGGTCCCGACGGCAGCCACAGCGT
CCGACTCGACTCGAGGGTTTCTGTGAGAGACAAATTGCTTGTTAAAGATGAGGGTTACTACCAGGGTGG
AAAATTCAGTTTGAACTGAAGTCCCGATGCGTACAACATGGTGCCTCCCAAAGTGAAATGCCTGACC
AAGATCTGGCACCACAACATCACAGAGACAGGGGAAATATGTCTGAGTTTATTGAGAGAACATTCATTG
ATGGCACTGGCTGGGCTCCACAGAACATTAAGGATGTCTGTTGGGGATTAAGTCTTTGTTTACTGA
TCTTTTGAATTTGATGATCCACTGAATATTGAAGCTGCAGAACATCATTGCGGGACAAGGAGGACTTC
CGGAATAAAGTGGATGACTACATCAAACGTTATGCCAGA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC236100 representing NM_001278307
Red=Cloning site Green=Tags(s)

MLTLASKLKRDDGLKGSRTAATASDSTRVSVRDKLLVKDEGYQGGKFQFETEVPDAYNMVPPVKVCLT
KIWHPNITETGEICLSLLREHSIDGTGWAPTRTLKDVVWGLNSLFTDLLNFDDPLNIEAAEHHLRDKEDF
RNKVDDYIKRYAR

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

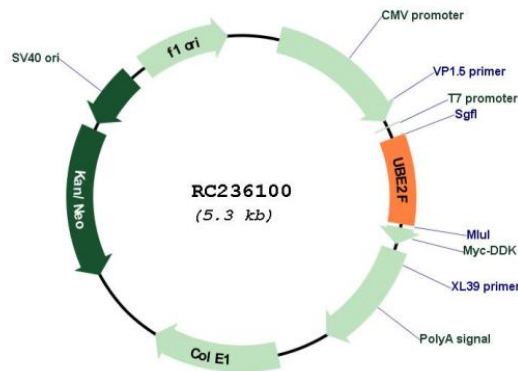


[View online »](#)

Cloning Scheme:



Plasmid Map:



ACCN: NM_001278307

ORF Size: 459 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:	<ol style="list-style-type: none">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:	<u>NM_001278307.1, NP_001265236.1</u>
RefSeq Size:	2110 bp
RefSeq ORF:	462 bp
Locus ID:	140739
UniProt ID:	<u>Q969M7</u>
Cytogenetics:	2q37.3
Protein Pathways:	Ubiquitin mediated proteolysis
MW:	17.9 kDa
Gene Summary:	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]