

## Product datasheet for **SC334078**

### NCE2 (UBE2F) (NM\_001278306) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	NCE2 (UBE2F) (NM_001278306) Human Untagged Clone
Tag:	Tag Free
Symbol:	UBE2F
Synonyms:	NCE2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC334078 representing NM_001278306. Blue=Insert sequence Red=Cloning site Green=Tag(s)

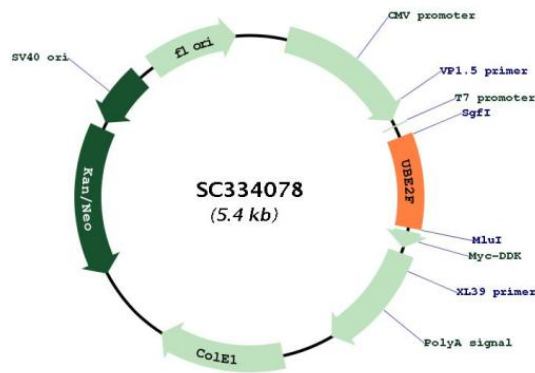
```
GCTCGTTTAGTGAACCGTCAGAATTTGTAAACGACTCACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGGTGTGGGCGCCGGGCCCGCCTCGCCTGTCTCGGGGAGCCAGAGGTTGCAGAACTGAAGCTAAT
TTACCTTGACATGTAAGTGCAATTTCTGATCCAAACAAGCTTCATTGTTTTAGCTAACAGTAACC
CCAGATGAGGGTTACTACCAGGGTGAAAATTTAGTTTGAAGTGAAGTTCCCGATGCGTACAACATG
GTGCCTCCAAAGTGAATGCCTGACCAAGATCTGGCACCCCAACATCACAGAGACAGGGGAAATATGT
CTGAGTTTATTGAGAGAACATTCATTGATGGCACTGGCTGGGCTCCACAAGAACATTAAGGATGTC
GTTTGGGATTAAGTCTTTGTTTACTGATCTTTGAATTTTATGATCCACTGAATATTGAAGCTGCA
GAACATCATTTGCGGGACAAGGAGGACTCCGGAATAAAGTGATGACTACATCAACGTTATGCCAGA
TGA
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGCC
```

Restriction Sites: Sgfl-Mlul



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Plasmid Map:



ACCN: NM\_001278306

Insert Size: 486 bp

OTI Disclaimer: Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

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\\_001278306.1](#)

RefSeq Size: 2072 bp

RefSeq ORF: 486 bp

Locus ID: 140739

UniProt ID: [Q969M7](#)

Cytogenetics: 2q37.3

Protein Pathways: Ubiquitin mediated proteolysis

MW: 18.2 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]  
Transcript Variant: This variant (3) differs in the 5' UTR, lacks a portion of the 5' coding region, and initiates translation at an alternate upstream start codon, compared to variant 1. The encoded isoform (2) is shorter than isoform 1 and has a distinct N-terminus.