

Product datasheet for **RG236197**

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: TurboGFP
Symbol: NCE2
Synonyms: NCE2
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >RG236197 representing NM_001278308.
Blue=ORF Red=Cloning site Green=Tag(s)

```
GCTCGTTT TAGTGAACCGTCAGAATTTTGT AATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCC GCGATCGCC
ATGCTAACGCTAGCAAGTAACTGAAGCGTGACGATGGTCTCAAAGGGTCCCGACGGCAGCCACAGCG
TCCGACTCGACTCGGAGGGTTTCTGTGAGAGACAAATTGCTTGTAAAGAGGTTGCAGAACTGAAGCT
AATTTACCTTGTACATGTAAGTGCATTTTCTGATCCAAACAAGCTTCATTGTTTTAGCTAACAGTA
ACCCAGATGAGGGTTACTACCAGGGTGGAAAATTTAGTTTGAAGTGAAGTCCCGATGCGTACAAC
ATGGTGCCTCCCAAAGTAAAATGCCTGACCAAGATCTGGCACCCCAACATCACAGAGACAGGGGAAATA
TGCTGAGTTTATTGAGAGAACATTC AATTGATGGCACTGGCTGGGCTCCCAAGAACATTAAGGAT
GTCGTTTGGGGATTAACCTTTGTTTACTGAGGACTTCCGGAATAAAGTGGATGACTACATCAAACGT
TATGCCAGA
ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAAAC
```

Protein Sequence: >Peptide sequence encoded by RG236197
Blue=ORF Red=Cloning site Green=Tag(s)

```
MLTLASKLKRDDGLKGSRTAATASDSTRVSVRDKLLVKEVALEANLPCTCKVHFDPNKLHCFQLTV
TPDEGYQGGKQFETEPDAYNMVPPKVKCLTKIWHPNITETGEICLSLLREHSIDGTGWAPRTLKD
VWGLNSLFTEDFRNKVDDYIKRYAR
TRTRPLEMESDESGLPAMEIECRITGTLNGVEFELVGGGEGTPEQGRMTNKMSTKGALTFSPYLLSHV
MGYGFYHFGTYPSTYENPFLHAINNGGYNTRIEKYEDGGVLHVSFSYRYEAGRVIGDFKVMGTGFPED
SVIFTDKIIRSNATVEHLHPMGDNDLDGSFTRTFSLRDGGYSSVVDSHMHFKSAIHPSILQNGGPMFA
FRRVEEDHSNTELGIVEYQHAFKTPDADAGEERV
```

Restriction Sites: Sgfl-MluI



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Cloning Scheme:



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.

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).

RefSeq: [NM_001278308.1](#), [NP_001265237.1](#)

RefSeq Size: 2143 bp

RefSeq ORF: 495 bp

Locus ID: 140739

UniProt ID: [Q969M7](#)

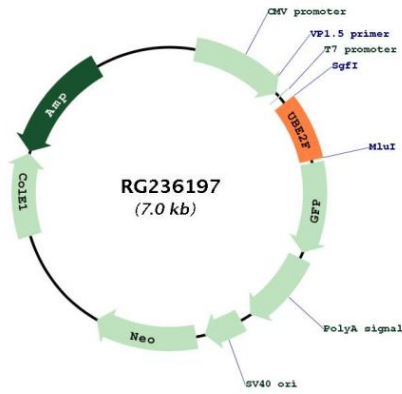
Cytogenetics: 2q37.3

Protein Pathways: Ubiquitin mediated proteolysis

MW: 19.1 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]

Product images:



Circular map for RG236197