

Product datasheet for **SC120332**

NCE2 (UBE2F) (NM_080678) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	NCE2 (UBE2F) (NM_080678) Human Untagged Clone
Tag:	Tag Free
Symbol:	NCE2
Synonyms:	NCE2
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC120332 sequence for NM_080678 edited (data generated by NextGen Sequencing) ATGCTAACGCTAGCAAGTAAACTGAAGCGTGACGATGGTCTCAAAGGGTCCCGGACGGCA GCCACAGCGTCCGACTCGACTCGGAGGGTTTCTGTGAGAGACAAATTGCTTGTTAAAGAG GTTGCAGAACTTGAAGCTAATTTACCTTGACATGTAAAGTGCATTTTCCTGATCCAAAC AAGCTTCATTGTTTTAGCTAACAGTAACCCAGATGAGGGTTACTACCAGGGTGGAAAA TTTTAGTTTTGAACTGAAGTTCCCGATGCGTACAACATGGTGCCTCCCAAAGTAAATGC CTGACCAAGATCTGGCACCCCAACATCACAGAGACAGGGGAAATATGTCTGAGTTTATTG AGAGAACATTCAATTGATGGCACTGGCTGGGCTCCACAAGAACATTAAGGATGTCGTT TGGGGATTAACCTTTTGTACTGATCTTTGAATTTGATGATCCACTGAATATTGAA GCTGCAGAACATCATTTGCGGGACAAGGAGGACTCCCGAATAAAGTGGATGACTACATC AAACGTTATGCCAGATGA

Clone variation with respect to NM_080678.2



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5' Read Nucleotide Sequence:	<p>>OriGene 5' read for NM_080678 unedited</p> <pre>TCAGAATTTTGTAAACGACTACTATAGGNNCGGCCGCAATTCGGCACGAGGCCGC CCCCCACTTCCGGTCCC GCCCGGGAGCCGGTGC GGCTGTGAGGGGCCGCTCTCGCA GCAGCCGCCCGGACCGGGCATGGTGTGGGCGCCGGGCCCGCCTCGCCTGTCTCGGGGAG CCCAGGGTAAAGGCAGCAGTAATGCTAACGCTAGCAAGTAAACTGAAGCGTGACGATGGT CTCAAAGGGTCCCGGACGGCAGCCACAGCGTCCGACTCGACTCGGAGGGTTTCTGTGAGA GACAAATTGCTTGTAAAGAGGTTGCAGAACTTGAAGCTAATTTACCTTGTACATGTAAA GTGCAATTTTCTGATCCAAACAAGCTTCATTGTTTTTCAGCTAACAGTAACCCAGATGAG GGTTACTACCAGGTGAAAAATTCAGTTTGAAACTGAAGTTCGGATGCGTACAACATG GTGCCCTCCCAAAGTGAATGCCTGACCAAGATCTGGCACCCCAACATCACAGAGACAGGG GAAATATGTCTGAGTTTATTGAGAGAACATTCAATTGATGGCACTGGCTGGGCTCCACA AGAACATTAAAGGATGTCGTTTGGGGATTAAACTCTTTGTTTACTGATCTTTGAATTTT GATGATCCACTGAATATTGAAGCTGCAGAACATCATTGCGGGACAAGGAGGACTTNCGG AATAAAGTGGATGACTACATCAAACGTTATGCCAGATGATAAAAGGGACGNATGCAGGC CCATGGACTGTGTACAGNTTGTCTCTTACATGAAAACAGCAGAAGTAGCCCCCTCTCCC GTCTCATGCTCCNTCTCAGTCCCTGGATTGGCCAGTNCCTGTGACCATGNTGCCCTGAG AAGACCATCTTATGACTGCTCATTGTAGATGGAGAAATACATAAATACANGCAGAAAAG TGTTTGGGCTCTA</pre>
3' Read Nucleotide Sequence:	<p>>OriGene 3' read for NM_080678 unedited</p> <pre>TGGGTAACAACCTGATTGGGAAAAGGNAAAACAACCCTCTGGCCTCAATTTTGTGATTC ATTACAACCTCTTAAGAATTTACCAACAGCCTATACAGTACAAGTTCAAAAAAGTAAAC ATGTTAAGGTAAGCAGACAACTTTCAGAAGCCCAAACACATTTTCTTGCTGATTTATG TTGAATTCCTCATCTACAATGAGCAGTCATGTTTTATGGTCTTCTCAGGCAACATGGT CACAGGACTGGGCAATCCAGGGGACTGAGAGGGAGCATGAGGACGGGAGAGGGGGCTAC CTCTTGCTGTTTCATGTTAGAGACAAACTGTAACACAGTCCATGGGCCTGCAATCGTCCC CTTTTATCATCTGGCATAACGTTTGATGTAGTCATCCACTTTATCCGGAAGTCCCTCCTT GTCCCCGAAATGATGTTCTGCAGCTTCAATATTCAGTGGATCATCAAATTCANAAGATC AGTAAACAAAGAGTTTAAATCCCCAAACGACATCCTTTAATGTTCTTGTGGGAGCCAGCC AGTGCCATCAATTGAATGTTCTCTCAATAAACTCAGACATATTTCCCCTGTCTGTGAT TTGGGGTGCAGATCTTGGTCAGGCATTTCACTTTGGGAGCACCATGTTGTACGCATC GGGAAACTCAGTTTCAAACGAAATTTTCCAACCTGGTAGTTACCCTCATCTGGGGTTA CTGTTAAGCTGAAACAATGAAAGCTTGTGTTGAATCAGGGAAAATGCACCTTACATGTACA GGGTAATTAGCTTTAAGGTTCTGCAACTCCTTTAACAAGCAATTTGGCTTTTAAGAAAA CCTTTCCAGTCCATCCGACCCTGGGGCTGCCGTCGGAACCTTTTGAACCATGGTACGC TTAAGGTTATTGGCTAGCGTTAGCATACTGGCTGGCTTAAACCCTGGGCTCCCGAAAACAG GCAAGCGGGCCCG</pre>
Restriction Sites:	NotI-NotI
ACCN:	NM_080678
Insert Size:	1150 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:	<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:	NM_080678.1 , NP_542409.1
RefSeq Size:	1366 bp
RefSeq ORF:	558 bp
Locus ID:	140739
UniProt ID:	Q969M7
Cytogenetics:	2q37.3
Domains:	UBCc
Protein Pathways:	Ubiquitin mediated proteolysis
Gene Summary:	<p>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]</p> <p>Transcript Variant: This variant (1) encodes the longest isoform (1). Both variants 1 and 2 encode the same isoform (1).</p>