

Product datasheet for **SC114081**

UBE2Q1 (NM_017582) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	UBE2Q1 (NM_017582) Human Untagged Clone
Tag:	Tag Free
Symbol:	UBE2Q1
Synonyms:	GTAP; NICE-5; NICE5; PRO3094; UBE2Q
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_017582, the custom clone sequence may differ by one or more nucleotides

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ATGCAGCAGCCGACGCCAGGGGCAGCAGCAGCCGGGGCCGGGGCAGCAGCTGGGGGGCCAGGGGGCGG
CGCCGGGGGGCCGGGGGGCCAGGGGGGGCCGGGGCCGGGGCCCTGCCTGAGGCGAGAGCTGAAGCT
GCTCGAGTCCATCTTCCACCGCGCCACGAGCGCTTCCGCATTGCCAGCGCCTGCCTGGACGAGCTGAGC
TGCGAGTTCCTGCTGGCTGGGGCCGAGGGGGCCGGGGCCGGGGCCGGGGCCGGGGCCGACCCGATCTCCCCC
GGGGTCCGCTGCCTGGGATCCTGTCCGCATCCACTGCAACATCACGGAGTCATACCCTGCTGTGCCCC
CATCTGGTCCGCTGGAGTCTGATGACCCTAACTGGCTGCTGTCTTGGAGAGGCTGGTGACATAAAGAAA
GGGAATACTCTGCTATTGCAGCATCTGAAGAGGATCATCTCCGACCTGTGTAACCTCTATAACCTCCCTC
AGCATCCAGATGTGGAGATGCTGGATCAACCCTTGCCAGCAGAGCAGTGCACACAGGAAGACGTGTCTTC
AGAAGATGAAGATGAGGAGATGCCTGAGGACACAGAAGACTTAGATCACTATGAAATGAAAGAGGAAGAG
CCAGCTGAGGGCAAGAAATCTGAAGATGATGGCATTGGAAAAGAAAACCTGGCCATCCTAGAGAAAATTA
AAAAGAACCAGAGGCAAGATTACTTAAATGGTGCAGTGTCTGGCTCGGTGCAGGCCACTGACCCGGCTGAT
GAAGGAGCTCAGGGATATATACCGATCACAGAGTTTCAAAGGCGGAAACTATGCAGTCGAACTCGTGAAT
GACAGTCTGTATGATTGGAATGTCAAACCTCAAAGTTGACCAGGACAGCGCTTGCACAACGATCTCC
AGATCCTCAAAGAGAAAAGAGGCCGACTTCACTTCTACTTAACTTTTCCTTTAAAGATAACTTTCCCTT
TGACCCACCATTTGTGAGGGTTGTCTCCAGTCTCTGGAGGGTATGTTCTGGGCGGAGGGGCCATC
TGCAATGGAACCTTCTACCAAACAGGGCTGGAGCAGTGCCTACTCCATAGAGTCAGTGATCATGCAGATCA
GTGCCACACTGGTGAAGGGGAAAGCAGCAGTGCAGTTTGGAGCCAACAAATCTCAATACAGTCTGACAAG
AGCACAGCAGTCTACAAGTCTTGGTGCAGATCCACGAAAAAACGGCTGGTACACACCCCAAAAGAA
GACGGCTAA
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5' Read Nucleotide Sequence:

>OriGene 5' read for NM_017582 unedited
 TTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGGCACGAGGGGAAATCTGAAGAT
 GATGGCATTGGAAAAGAAAACCTGGCCATCCTAGAGAAAATTAAGAAACCAGAGGCAA
 GATTACTTAAATGGTGCAGTGTCTGGCTCGGTGCAGGCCACTGACCGGCTGATGAAGGAG
 CTCAGGGATATATACCGATCACAGATTTCAAAGGCGGAAACTATGCAGTCGAACTCGTG
 AATGACAGTCTGTATGATTGAAATGTCAAACCTCAAAGTTGACCAGGACAGCGCTTTG
 CACAACGATCTCCAGATCCTCAAAGAGAAAAGAGGCCGACTTCATTCTACTTAACTTT
 TCCTTTAAAGATAACTTTCCCTTTGACCCACCATTTGTCAGGGTTGTGTCTCCAGTCCTC
 TCTGGAGGGTATGTTCTGGGCGGAGGGCCATCTGCATGGAACCTCTACCAAACAGGGC
 TGGAGCAGTGCCTACTCCATAGAGTCAGTGATCATGCAGATCAGTGCCACACTGGTGAAG
 GGGAAAGCAGGAGTGCAGTTTGGAGCCAACAAATCTCAATACAGTCTGACAAGAGCACAG
 CAGTCCTACAAGTCTTGGTGCAGATCCACGAAAAAACGGCTGGTACACACCCCAAAA
 GAAGACGGCTAACCTGGAGTATCACCTTCTCCCTCCCAGGCACCACTGGACCAATT
 ACCTTTGAATGCTGTATTTGGATCTCACGCTGCCTCTGTGGTTCCCTCCCTCTATTTTC
 CCTGGACGTGATAGCTCTTGCCATTGCCAGACAATGATGGCTTATTCTAAACGTAAGG
 AAAAAAACAAACACAGAAGTGGTTTCAAGTACTCAAGGACTGACTTACAGACCAACCAA
 CCACCTTGGT

3' Read Nucleotide Sequence:

>OriGene 3' read for NM_017582 unedited
 CGCAATCTATAGTCGAGTTTTTTTTTTTTTTTTTTTTTTTAAATAATTTTATTTGTTTCAT
 CCTTTGGTAGATGAGAAAATACATTACAAAATACATTATACAGAAGACAGCTCACAGTA
 CACATTACTAAAAACACAATCTACATTCCAGCCAGGGCTGGTGGTAAGTTCAGAAGAAAG
 CCACAGAGGCCTTGAAAACCAGATTTTCAGCTCTATGGAATGAATTTTCCCTTATGTCCC
 GTCTTTATCTCAACCTCAGCATGTTTTATTAGCACCCCTAATTAGGTGGGTGTGGGTAGA
 GTTAGAGCAGCATTGAGTGGGACTGGTGGACTCTCCATCCACCTAAAGCAGCAAACATTA
 AAAGTCCCTCAAAAGAAAAGGGGTAGGGGAGGGGAAAGAATGGCCAATGTGAAAATTGCT
 GTGTCTCAAAGCATTACAGAAGTCTAGCATCCTAGTTCAGGCAGTTGTCCCAAGT
 CTGGGTTTTCTGAGACTTGGGTCTTCACTTGGCCATCTTTGGCCCTCTGTCAATTCAGT
 TTAATGAGAGCTGCTGGCATCGTATGTCCTAAGAAGCTGAACCCAGAGCAAGCTACAGA
 CAAGAGATGCAGGCAGCACCCGGTTGATGCAAAGGCATGCCAAACTTTTACAAACAGAA
 GTACATACAACCAACGCCCTGACATGTTCCATTCTCAGTCCACGACTTCACACCTTATCT
 TCCCTCCCTGGCCACTCCTTGACCCCTGGCGTAAGAACCAGGGGTTAAACAACCCCCC
 TTTAAAGGCCTAACCTTCTATAGACCCCTTGGCAATGGCTTGAAGATTCTTATTT
 CCCTCCCAAAAACTAACTGGGTTTGTCTCTTTGTAACCCTATGATCTCTTAATAGGA
 GGTATCATCTTTAACTATTCCCTCCCTGGCGTTAAACCCCTTCCAGAAGGACCTCA
 CACCCCAATTCCCTCCCTCGTATCCAAACACCCCTCGG

Restriction Sites:

NotI-NotI

ACCN:

NM_017582

Insert Size:

2680 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_017582.2](#), [NP_060052.1](#)

RefSeq Size: 3223 bp

RefSeq ORF: 216 bp

Locus ID: 55585

UniProt ID: [Q7Z7E8](#)

Cytogenetics: 1q21.3

Domains: UBCc

Protein Pathways: Ubiquitin mediated proteolysis

Gene Summary: The modification of proteins with ubiquitin is an important cellular mechanism for targeting abnormal or short-lived proteins for degradation. Ubiquitination involves at least three classes of enzymes: ubiquitin-activating enzymes (E1s), ubiquitin-conjugating enzymes (E2s), and ubiquitin-protein ligases (E3s). This gene encodes a member of the E2 ubiquitin-conjugating enzyme family. The encoded protein is 98% identical to the mouse counterpart. [provided by RefSeq, Jul 2008]