

## Product datasheet for **SC111771**

### **UBOX5 (NM\_014948) Human Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	UBOX5 (NM_014948) Human Untagged Clone
Tag:	Tag Free
Symbol:	UBOX5
Synonyms:	hUIP5; RNF37; UBCE7IP5; UIP5
Mammalian Cell Selection:	None
Vector:	<u><a href="#">pCMV6-XL5</a></u>
E. coli Selection:	Ampicillin (100 ug/mL)



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**Fully Sequenced ORF:** >OriGene ORF within SC111771 sequence for NM\_014948 edited (data generated by NextGen Sequencing)

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ATGGTAATAAAATCTTTGCCTCCCACAGTTCAGACCAAGAATTCAGTCAACAAGATATCA
GCTGATGGTTACGAAGTAGAAAACTCATCTCTGAAGATCTCACAAAGAGAAGTCATGGT
TTCAGGACAGAGTATTTTCATTAAGCCACCAGTCTATGTGACAGTTTCATTTCCCTTAAAT
GTGGAAATCTGTAGGATCAACATAGACCTCACAGCTGGGGGAGGTGAGAACGTCAGTGGC
CTGGAATGTACACATCTGCCTCATCTAGCAGAGTGTCTTGGAAATACGCCCCAGTGCCGG
ACCCTGGGCCAGCTGAGCCATCTGTCCCAGACAAGGAGCGTTACCTTGGTAGGCAAA
GTCTTACTGAAAAACCAGAGCCAAGTGGTGTTTAGCCACAGGGGCTTCAAGGCCAGGCC
CCTTTTGGCGGATGGAAGCCACACTCCCCTCCCCTGCTGTTGTGGCCAGGAGCTCTGG
AATAAAGGGGCTCTTCCCTTAGCCACGTGGCCACTTAAGGATCTGTATCACCCATGTG
ACAGGGCGCGGTATCCCTTGTATCAAGCGGTTGGAAGTGTGGGGTCAAGCCGCAAGACC
TGCTCCCAGGAAGTATAGACAGCATCCTGCTGGTCACCTCAGAGAACCTGCCTCAGGAT
GTGGCTCTGCAGGCTCCAGCCTTGCCCATGGAAGTACTGTGACCTGGGGACCAGCCT
GAGAGCCAGCAGGCTCCCTCCAGCCTGCAGAAGCTGGCCGAGATCATTAGGATGTGCCT
GAGGAGTTCCTGGATCCCATCACCTGGAGATCATGCCTTGTCCCATGCTGCTGCCCTCA
GGCAAGGTCATCGACCAGAGCACACTGGAGAAGTGAACCGCAGTGAAGCCACATGGGGC
CGAGTGCCAGTACCCCTTTCACGGGGTAGCTTTTACTCCGCACTCTCAGCCCCCTGCCT
CACCCCTCCCTCAAGGCCGGATTGACCATTTCTGCTCCAGCACTCCATCCCTGGCTGC
CACCTGCTGGGAGAGCACAGACGGCATTGGCAGTGATCCCTTCTCCATTGTTCTGCC
TCTCAGAAAAGGAAGATAGAGCAGGCTGAACATGTCCCAGACAGTAACTTGGTGTAAAT
GCTTCTGTTTTTCTGCCACAAGCCCTTGGTCTTACCCACTACCTCAGAGCACACTGCT
AAGAAAATGAAAGCCACCAATGAGCCAGCCTGACACATATGGACTGCTCGACAGTCCA
CTGTCCCAGCAGCAGAAGCTGTACAAAAGCTTGGAAATTGCCTTGGCATCCACCCTTGGC
TCTATGCCCTCCTTACGGCACGGCTGACCAGGGGACAGCTCCAGCACCTTGGCACAAGA
GGGAGCAACACTTCTGGAGGCCTGGCACCAGGCTCGGAGCAGCCTGGGAGCATCTGGGC
CCCGAATGTGCCTCCTGCAAAAGAGTATTTTCTCCCTACTTCAAAAAGGAGCCGGTGTAC
CAGCTGCCCTGCGGCCACCTCCTGTGCCGACCCTGCCTGGGTGAGAAGCAACGCTCCCTG
CCCATGACGTGCACAGCCTGCCAGCGCCGTTGCTAGCCAAGACGTGCTGCGGGTCCAC
TTCTGA
    
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Clone variation with respect to NM\_014948.2

**5' Read Nucleotide Sequence:**

>OriGene 5' read for NM\_014948 unedited

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ATCATTGTATACGACTCACTATAGGGCGGCCGGAATTCGCACGAGTTGGCCNGAGT
GGGGCTGTGAGGCTCGGAGTCGCCGGAGGAGCCAGTATCTGTGTCGCCCGCCCGCGGC
GTCCCCGGTTTGGTGTTCGGCGCCACCTTCGGGAGGATCAGGCTGCTTCTGATGCTTG
GAAGATATCCTCTCAGCCACAAAGATGGTAATAAATCTTTGCCTCCCACAGTTCAGACCA
AGAATTCAGTCAACAAGATATCAGCTGATGGTTACGAAGTAGAAAATCTCATCTCTGAA
GATCTCACAAAGAGAAGTCATGGTTTCAGGACAGAGTATTTTCATTAAGCCACCAGTCTAT
GTGACAGTTTCATTTCCCTTAAATGTGGAAATCTGTAGGATCAACATAGACCTCACAGCT
GGGGGAGGTCAGAACGTCAGTGGCCTGGAAATGTACACATCTGCCTCATCTAGCAGAGTG
TCTTGGAAATACGCCCCAGTGCCGACCCTGGGCCAGCTGAGCCATCTGTCCCAGACAAG
GAGGCGTTCACCTTGGTAGGCAAGTCTTACTGAAAAACCAGAGCCAAGTGGTGTTAGC
CACAGGGGCTTCAAGGCCAGGCCCTTTTGGCGGATGGAAGCCACACTCCCCTCCCCT
GCTGTTGTGGCCAGGAGCTCTGGAATAAAGGGGCTCTTCCCTTAGCCACGTGGCCAC
TTAGGGATCTGTATCACCCATGTGACAGGCGGGGATCCCTTGTATCAAGCGGTTGGGA
GTGTGGGGTCAAGCCCAAGACCTGCNTCCAGGAAGTATAGACAGCATCCTGCTGGTC
ACCTCAAAGACCTGCCTCAGGATGTGGCTCTGCAGGCTCCAGCCTTGCCCATGGAAGTG
ACTGTGACCTGGGGACCAGCCTGANAGCAGCAGGCTTCTCCAACCTGCAAAGCT
    
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<b>3' Read Nucleotide Sequence:</b>	>OriGene 3' read for NM_014948 unedited CGCTTTTAGAGTCGAGTTTTTTTTTTTTTTTTTTTGCAGACGTCAACCATCGCTTTATTAA GGCTGCGAGTCGGGGGGCTGAGTCATGCACTCCACAGACACCCCCACTGCTCCCAAGGTC CACTTTTGATGACCCCTGAAGGCAGAGACTCCTGAGATCTGGGCCACAATCTAGGGTGAG CCACCCACAGTGCCCTGCTGGACAGGGGGTATGCGGACTGCACGGGGGGCCCTCAGCA GGGGTCTTCTGCCTAGGGTGGGGCTGGCTCCAGTGGTCCTGGGCTCAGGCAGTGGGGG TGGCAGGGAGGCAGGCACATCCCCCGCCCTCTGGCCTATGGCTTGTGGCCATTGCC ACCAGCGCAGAAGCAATGTGCTATACCGTGAGGTGATGAAGAAGACCCCGGAGGGAGC AGGCAGCTCTGTGCCTGGGGCTGGCCAGACCTCAGGGGTGCTGTGGCCCTGCTCCTGTT CCCCCTCAGTCTCCCAGCAATGGGTCTCCTCCAGTGGAGGTCAGTCACTCAGAAGTGG ACCCGACGACGTCTTGCTAGCAACCGCCGCTGGCAGGCTGTGCACGTATGGGCAGG GAGCGTTGCTTCTACCCATGCAAGGTCGGCACAGGATGTGGCCGATGGCAGTGGTAC ACCCGCTCCTTTTTGAGTAAGGAGAAAATACTCCTTTGCAAGAAGCACATTCCGGGCC ATGATGCTCTCAAGCTGCTCCGAGCCGTGCCAGCCTCCAGNAAGTGTAGTCCCTCTTC GTGCCAAGTGCTGGAAGTGTCCCTGGTCAACCGTGCCGTGAAAGTATGGCTATAGCC CAAGGGTGGATGCCAAGGCAATTTCCAGCCTTGGTGACAGCTCCTGCTGCTGGAAAGT AGCACCTGTTGGAGCAGCCATATTGGGCAAGCTCGGCCTATTGGTGGCTTTATTTTCTT AAAGAGGGGCTTAGGGAGGGGTAACACACAGGGCTTGCAGCAAAAACGGAACATTTCC ACCCAGTTCTTGCAGCAT
<b>Restriction Sites:</b>	NotI-NotI
<b>ACCN:</b>	NM_014948
<b>Insert Size:</b>	2210 bp
<b>OTI Disclaimer:</b>	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).
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"> <li>1. Centrifuge at 5,000xg for 5min.</li> <li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li> <li>3. Close the tube and incubate for 10 minutes at room temperature.</li> <li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li> <li>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.</li> </ol>
<b>RefSeq:</b>	<u><a href="#">NM_014948.2</a></u> , <u><a href="#">NP_055763.1</a></u>
<b>RefSeq Size:</b>	4346 bp
<b>RefSeq ORF:</b>	1626 bp
<b>Locus ID:</b>	22888
<b>UniProt ID:</b>	<u><a href="#">O94941</a></u>
<b>Cytogenetics:</b>	20p13

<b>Domains:</b>	U-box
<b>Protein Families:</b>	Druggable Genome
<b>Protein Pathways:</b>	Ubiquitin mediated proteolysis
<b>Gene Summary:</b>	<p>This gene encodes a U-box domain containing protein. The encoded protein interacts with E2 enzymes and may play a role in the ubiquitination pathway. Alternate splicing results in multiple transcript variants. [provided by RefSeq, Jun 2012]</p> <p>Transcript Variant: This variant (1) represents the longer transcript and encodes the longer isoform (a). Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.</p>