

## Product datasheet for **SC126409**

### UBOX5 (NM\_199415) Human Untagged Clone

#### Product data:

|                           |   |
|---------------------------|---|
| Product Type:             | Expression Plasmids   |
| Product Name:             | UBOX5 (NM_199415) Human Untagged Clone  |
| Tag:                      | Tag Free  |
| Symbol:                   | UBOX5   |
| Synonyms:                 | hUIP5; RNF37; UBCE7IP5; UIP5  |
| Mammalian Cell Selection: | None  |
| Vector:                   | <u>pCMV6-XL5</u>  |
| E. coli Selection:        | Ampicillin (100 ug/mL)  |
| Fully Sequenced ORF:      | >OriGene ORF within SC126409 sequence for NM_199415 edited (data generated by NextGen Sequencing) |

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ATGGTAATAAATCTTTGCCTCCCACAGTTCAGACCAAGAATTCAGTCAACAAGATATCAGCTGATGGTT
ACGAAGTAGAAAACTCATCTCTGAAGATCTCACAAGAGAAGTCATGGTTTCAGGACAGAGTATTTTCAT
TAAGCCACCAGTCTATGTGACAGTTTCATTTCCCTTTAATGTGGAAATCTGTAGGATCAACATAGACCTC
ACAGCTGGGGGAGGTGAGAACGTCAGTGGCCTGGAAATGTACACATCTGCCTCATCTAGCAGAGTGTCTT
GGAATACGCCCCAGTGCCGGACCCTGGGCCAGCTGAGCCATCTGTCCCAGACAAGGAGGCGTTCACCTT
GGTAGGCAAAGTCTTACTGAAAAACCAGAGCCAAGTGGTGTAGCCACAGGGGCTCAAGGCCAGGCC
CCTTTTGGCGGATGGAAGCCACTCCCCTCCCCTGCTGTTGTGGCCAGGAGCTCTGGAATAAAGGGG
CTCTTTCCCTTAGCCACGTGGCCCACTTAAGGATCTGTATCACCCATGTGACAGGCGGCGGTATCCCTTG
TATCAAGCGGTTGGAAGTGTGGGGTCAGCCGGCCAAGACCTGCTCCCAGGAAGTGATAGACAGCATCCTG
CTGGTCACCTCAGAGAACCTGCCTCAGGATGTGGCTCTGCAGGCTCCAGCCTTGCCCATGGAAGTGACT
GTGACCTGGGGACCAGCCTGAGAGCCAGCAGGCTCCCTCCAGCCTGCAGAAGCTGGCCGAGATCATTCA
GGATGTGCTGAGGAGTCTGGATCCCATCACCTGGAGATCATGCCTTGTCCCATGCTGCTGCCCTCA
GGCAAGGTCATCGACCAGAGCACACTGGAGAAGTGAACCGCAGTGAAGCCATGCGGGCCGAGTGCCCA
GTGACCTTTACGGGGGTAGCTTTTACTCCGCACTCTCAGCCCTGCCTCACCCCTCCCTCAAGGCCCG
GATTGACATTTCTGCTCCAGACTCCATCCCTGGCTGCCACCTGCTTGGGAGAGCACAGACGGCATTG
GCAGTGATCCCTTCTCCATTGTTCTGCCCTCTCAGAAAAGGAAGATAGAGCAGGCTGAACATGTCCCAG
ACAGTAACTTTGGTGAAATGCTTCCTGTTTTTCTGCCACAAGCCCTTTGGTCTTACCCACTACCTCAGA
GCACACTGCTAAGAAAATGAAAGCCACCAATGAGCCAGCCTGACACATATGGACTGCTCGACAGAGCAG
CCTGGGAGCATCCTGGGCCCGAATGTGCTCCTGCAAAAAGAGTATTTTCTCCCTACTTCAAAAAGGAGC
CGGTGTACCAGTGCCTGCGGCCACCTCCTGTGCCGACCCTGCCTGGGTGAGAAGCAACGCTCCCTGCC
CATGACGTGCACAGCCTGCCAGCGCGGTTGCTAGCCAAGACGTGCTGCGGGTCCACTCTGA
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Clone variation with respect to NM\_199415.2



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|                                     |   |
|-------------------------------------|---|
| <b>5' Read Nucleotide Sequence:</b> | >OriGene 5' read for NM_199415 unedited<br>GTCACTACGCCTGGNANAGCCATCCAGCTGTTTTGACCTCCTAGAAGAACCAGGGACCGAT<br>CCAGCCTCCGGACTCTAGCCTAGGCCGCGGACGGATAACAATTTACACAGGAAACAGC<br>TATGACCATTAGGCCTATTTAGGTGACACTATAGAACAAGTTGTACAAAAAGCAGGCT<br>GGTACCGGTCCGGAATCCCGGGATATCGTCGACCCACGCGTCCGGTGGGGCTGTGAGGC<br>TCGGAGTCGCGGAGGAGCCAGTATCTGTGTCGCCGCCGCCGCGGCGTCCCCGGTTTGG<br>TGTTGCGGCGCCACCTTCGGGAGGATCAGGCTGCTTCTGATGCTTGAAGATATCCTCT<br>CAGCCACAAGATGGTAATAAATCTTTGCCTCCCACAGTTCAGACCAAGAATTCAGTCA<br>ACAAGATATCAGCTGATGGTTACGAAGTAGAAAATCTCATCTCTGAAGATCTCACAAAGA<br>GAAGTCATGGTTTCAGGACAGAGTATTTTATTAAAGCCACCAAGTCTATGTGACAGTTTCAT<br>TTCCCTTTAATGTGAAAATCTGTANGATCAACATAGACCTCACAGCTGGGGGAGGTCAGA<br>ACGTCCTGCGCTGAAAATGTACACATCTGCCTCATCTAGCAGAGTGTCTTGAATACGC<br>CCCAGTCCCGGACCCTGGGCCAGCTGAGCCATCTGTCCCAGACAGGGAGGCGTTACCT<br>TGTTAGGCAAAGTCTTACTGAAAAAACAGAACCCAGTGGTGTANCCCCAGGGGCTTC<br>AAGGGCAGGCCCCCTTTTGCGCCAAGGGAGACCCACTCCCTCCCTGCTTGTGGGCC<br>AAGACCTTGAATAGAGGCTTTTTTCTTTACCACGTGCCCACTTAGGATCTGGATCA<br>CCCAGTAAAGCGGGGGTATCCCTTGGTAAAGCCGGGGGAATGG |
| <b>Restriction Sites:</b>           | NotI-NotI   |
| <b>ACCN:</b>                        | NM_199415   |
| <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_199415.1</a></u> , <u><a href="#">NP_955447.1</a></u>   |
| <b>RefSeq Size:</b>                 | 4200 bp   |
| <b>RefSeq ORF:</b>                  | 1464 bp   |
| <b>Locus ID:</b>                    | 22888   |
| <b>UniProt ID:</b>                  | <u><a href="#">O94941</a></u>   |
| <b>Cytogenetics:</b>                | 20p13   |
| <b>Protein Families:</b>            | Druggable Genome  |
| <b>Protein Pathways:</b>            | Ubiquitin mediated proteolysis  |

**Gene Summary:**

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]

Transcript Variant: This variant (2) lacks an alternate in-frame exon compared to variant 1. The resulting isoform (b) has the same N- and C-termini but is shorter compared to 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.