

## Product datasheet for **SC123904**

### OTUB2 (NM\_023112) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	OTUB2 (NM_023112) Human Untagged Clone
Tag:	Tag Free
Symbol:	OTUB2
Synonyms:	C14orf137; OTB2; OTU2
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_023112, the custom clone sequence may differ by one or more nucleotides

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ATGAGTGAACATCTTTCAACCTAATATCAGAAAAATGTGACATTCTATCCATTCTTCGGGACCATCCTG
AAAACAGGATTTACCGGAGGAAAATCGAGGAACTCAGCAAAGGTTACCGCCATCCGCAAGACCAAAGG
GGATGGGAAGTCTTCTACAGGGCCTTGGGCTATTCTACCTGGAGTCCCTGCTGGGGAAGAGCAGGGAG
ATCTTCAAGTTCAAAGAACGCGTACTGCAGACCCCAAATGACCTTCTGGCTGCTGGCTTTGAGGAGCACA
AGTTCAGAAACTTCTTCAATGCTTTTTACAGTGTGGTGGAACTGGTAGAGAAGGATGGCTCAGTGTCCAG
CCTGCTGAAGGTGTTCAACGACCAGAGTGCCTCGGACCACATCGTGCAGTTCCTGCGCCTGCTCACGTGC
GCCTTCATCAGGAACCGAGCAGACTTCTCCGGCACTTCATTGATGAGGAGATGGACATCAAAGACTTCT
GCACTCACGAAGTAGAGCCCATGGCCACGAGTGTGACCACATCCAGATCACGGCGTTGTGCGAGGCCCT
GAGCATTGCCCTGCAAGTGGAGTACGTGGACGAGATGGATACCGCCCTGAACCACCACGTGTTCCCTGAG
GCCGCCACCCCTCCGTTTACCTGCTCTATAAAACATCCCACTACAACATCCTTTATGCAGCCGATAAAC
ATTGA
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<b>5' Read Nucleotide Sequence:</b>	<p>&gt;OriGene 5' read for NM_023112 unedited            CACTCTTTCAACCTAATATCAGANAAATGTGACATTCTATCCATTCTTCGGGACCATCCT            GAAAACAGGATTTACCGGAGGAAAATCGAGGAACCTCAGCAAAAGTTCCACCGCCATCCGC            AAGACCAAAGGGGATGGGAACCTGCTTCTACAGGCCTTGGGCTATTCTACCTGGAGTCC            CTGCTGGGGAAGAGCAGGGAGATCTTCAAGTTCAAAGAACGCGTACTGCAGACCCCAAAT            GACCTTCTGGCTGCTGGCTTTGAGGAGCACAAGTTCAGAACTTCTTCAATGCTTTTTAC            AGTGTGGTGGAACTGGTAGAGAAGGACGGCTCAGTGTCCAGCCTGCTGAAGGTGTTCAAC            GACCAGAGTGCCTCGGACCACATCGTGCAGTTCCTGCGCCTGCTCACGTGGCCTTCATC            AGGAACCGAGCAGACTTCTCCGGCACTTCATTGATGAGGAGATGGACATCAAAGACTTC            TGCACTCACGAAGTAGAGCCCATGGCCACGGAGTGTGACCACATCCAGATCACGGCGTTG            TCGCAGGCCCTGAGCATTGCCCTGCAAGTGGAGTACGTGGACGAGATGGATACCGCCCTG            AACACCACGTGTTCCCTGAGGCCGCCACCCCTCCGTTTACCTGCTCTATAAAACATCC            CACTACAACATCCTTTATGCAGCCGATAAACATTGATTAATTTTAGGCCATGCAGTGGAA            CCTGTCACCTAATGGGACTGCATTCTGAAATGGAACATTCGCTCTTCAATTTTTAAGCA            ATTTAGACTGTAGCAAGAAATGTGCAGCCTTTGGGCAAAGCCCTGG</p>
<b>3' Read Nucleotide Sequence:</b>	<p>&gt;OriGene 3' read for NM_023112 unedited            TCATATGCAGTCCCTTAGGTGACAGTTCCACTGCATGGCCTAAAATTAATCAATGTTTA            TCGGCTGCATAAAGGATGTTGTAGTGGGATGTTTTATAGAGCAGGTAAACGGAAGGGGTG            GCGGCCTCAGGGAACACGTGGTGGTTCAGGGCGGTATCCATCTCGTCCACGTACTCCACT            TGCAGGGCAATGCTCAGGGCCTGCGACAACGCCGTGATCTGGATGTGGTCACTCCGTG            GCCATGGGCTCTACTTCGTGAGTGCAGAAGTCTTTGATGTCCATCTCCTCATCAATGAAG            TGCCGGAAGAAGTCTGCTCGGTTCTGATGAAGCCGACGTGAGCAGGCCGAGGAACTGC            ACGATGTGGTCCGAGGACTCTGGTTCGTTGAACACCTTACGAGGCTGGACACTGAGCCG            TCCTTCTCTACCAGTTCACCACACTGTAAAAAGCATTGAAGAAGTTTCTGAACTTGTGC            TCCTCANAGCCAGCAGCCAGAAGGTCATTTGGGGTCTGCAGTACGCGTTCTTTGAACTTG            AAGATCTCCCTGCTCTTCCNCAGCAGGGACTCCAGGTAGGAATAGCCCAAGGCCCTGTAG            AAGCAGTCCCATCCCCTTTGGTCTTGCAGGATGGCGGTGAACCTTTTGTGAGTTCCTCG            ATTTTCTCCGGTAAAATCTTGTTCAGGATGGTCCCAGAAATGGATAGAATGTCACAT            TTTTCTGATATTAGGTGAAAGAGGTTTCACTCATAGTGACCAGAGCCGCCAGGCCAGGTC            CCGCCCCAGCAGGAGCGATCCGGCTGGTGCCGAATTN</p>
<b>Restriction Sites:</b>	NotI-NotI
<b>ACCN:</b>	NM_023112
<b>Insert Size:</b>	4200 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>

RefSeq: [NM\\_023112.2](#), [NP\\_075601.1](#)

RefSeq Size: 3890 bp

RefSeq ORF: 705 bp

Locus ID: 78990

UniProt ID: [Q96DC9](#)

Cytogenetics: 14q32.12

Protein Families: Protease

**Gene Summary:** This gene encodes one of several deubiquitylating enzymes. Ubiquitin modification of proteins is needed for their stability and function; to reverse the process, deubiquityling enzymes remove ubiquitin. This protein contains an OTU domain and binds Ubal (ubiquitin aldehyde); an active cysteine protease site is present in the OTU domain. [provided by RefSeq, Aug 2011]