

## Product datasheet for SC115686

### UTY (NM\_007125) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	UTY (NM_007125) Human Untagged Clone
Tag:	Tag Free
Symbol:	UTY
Synonyms:	KDM6AL; KDM6C; UTY1
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)

**Fully Sequenced ORF:** >OriGene ORF sequence for NM\_007125 edited  
 ATGAAATCCTGCGCAGTGTCTACTACCGCCGCTGTTGCCTTCGGTGATGAGGCAAAG  
 AAAATGGCGGAAGGAAAAGCGAGCCGAGAGTGAAGAGGAGTCTGTTAGCCTGACAGTC  
 GAGGAAAAGGGAGGCGCTTGGTGGCATGGACAGCCGTCTCTTCGGGTTTCGTGAGGCTTCAT  
 GAAGATGGCGCCAGAACGAAGACCTACTAGGCAAGGCTGTTTCGCTGCTACGAATCTTTA  
 ATCTTAAAAGCTGAAGGAAAAGTGGAGTCTGACTTCTTTTCCAATTAGGTCACCTCAAC  
 CTCTTGTGGAAGATTATCAAAGCATTATCTGCATATCAGAGATATTACAGTTTACAG  
 GCTGACTACTGGAAGAATGCTGCGTTTTATATGGCCTTGGTTTGGTCTACTTCTACTAC  
 AATGCATTTTCATTGGGCAATTAAGCATTCAAGATGCCTTTATGTTGACCCAGCTTT  
 TGTCGAGCCAAGGAAATTCATTTACGACTTGGGCTCATGTTCAAAGTGAACACAGACTAC  
 AAGTCTAGTTTAAAGCATTTCAGTTAGCCTTGATTGACTGTAATCCATGTACTTTGTCC  
 AATGCTGAAATCAATTCATATTGCCATTTGTATGAAACCCAGAGGAAGTATCATTCT  
 GCAAAGGAGGCATATGAACAACCTTTGACAGACAGAAAACCTTCCTGCACAAGTAAAAGCA  
 ACTGTATTGCAACAGTTAGGTTGGATGCATATAATATGGATCTAGTAGGAGACAAAAGCC  
 ACAAAAGGAAAGCTATGCTATTCAGTATCTCCAAAAGTCTTTGGAGGCAGATCCTAATTCT  
 GGCCAATCGTGGTATTTTCTTGGAAAGGTGTTATTCAAGTATTGGGAAAGTTCAGGATGCC  
 TTTATATCTTACAGGCAATCTATTGATAAATCAGAAGCAAGTGCAGATACATGGTGTTC  
 ATAGGTGTGTTGTATCAGCAGCAAAATCAGCCTATGGATGCTTTACAGGCATATATTTGT  
 GCTGTACAATTGGACCATGGGCATGCCGAGCCTGGATGGACCTAGTACTCTCTATGAA  
 TCCTGCAATCAACCTCAAGATGCCATTAATGCTACCTAAATGCAGCTAGAAGCAACGCT  
 TGTAAGTAACCTCTACGCTTGCTGCAAGAATTAATTTCTACAGGCTCAGTTGTGTAAC  
 CTTCCACAAAGTAGTCTACAGAATAAACTAAATTACTTCCTAGTATTGAGGAGGCATGG  
 AGCCTACCAATCCCCGAGAGCTTACCTCCAGGCAGGGTGCCATGAACACAGCACAGCAG  
 AATGGTTCTGATAACTGGAATGGTGGCCAGAGTCTTTACATCATCCAGTACAGCAAGTT  
 TATTCGTTGTGTTTACACCCACAGAAATTACAGCACTTGAACAACCTGCGAGCAATAGA  
 GATAATTTAAATCCAGCACAGAAGCATCAGCTGGAACAGTTAGAAAGTCAGTTTGTCTTA  
 ATGCAGCAATGAGACACAAAGAAGTTGCTCAGGTACGAACACTGGAATTCATAACGGG



[View online »](#)

GCCATAACTGATTCATCACTGCCTACAACTCTGTCTCTAATCGACAACCCACATGGTGCT  
 CTGACCAGAGTATCTAGCGTCTCTCAGCCTGGAGTTCCGCCCTGCTTGTGTTGAAAACTT  
 TTGTCCAGTGGAGCTTTTTCTGCAGGCTGTATTCTTGTGGCACATCAAAAATCTAGGA  
 AGTACAGACACTATCTTGTAGGAGTAAATGTATAGCAGGAAGTAAAAGTAAATGAAAT  
 GTGCCCTACCTGCAGCAAAAACACACACTCTACCTCATAATCATACAGACCTGAACAGC  
 AGCACAGAAGAGCCATGGAGAAAAACAGCTATCTAACTCCGCTCAGGGGCTTCATAAAAGT  
 CAGAGTTCATGTTTGTGAGGACCTAATGAAGAACAACCTCTGTTTTCCACTGGGTCAGCC  
 CAGTATACCAGGCAACTAGCACTGGTATTAAGAAGGCGAATGAACATCTCACTCTGCCT  
 AGTAATTCAGTACCACAGGGGATGCTGACAGTACCTCTCTGTACTACTGCTACCTCA  
 GGTGGACAACAAGGCATTATGTTTACCAAAGAGAGCAAGCCTTCAAAAAATAGATCCTTG  
 GTGCCGTGAAACAAGCAGGCATACTGGAGACACATCTAATGGCTGTGCTGATGTCAAGGGA  
 CTTTCTAATCATGTTTCATCAGTTGATAGCAGATGCTGTTTCCAGTCTAACCATGGAGAT  
 TCACCAAATTTAATGCAGACAATCCTCAGCTCTCTGCTTTGTTGATTGGAAAAGCC  
 AATGGCAATGTGGTACTGGAACCTGTGACAAAAGTGAATAATATTCACCCAGCTGTTTAT  
 ACAAGACTGATCATTCTGTTGCCCTCTTACCCTCTTCCAGCCATTTCCACAGCAACCTT  
 TCTCCTAAATCCACTGAGCAGAGAAGCATAAACAGTGTTACCAGCCTTAACAGTCTCAC  
 AGTGGATTACACACAGTCAATGGAGAGGGGCTGGGGAAGTCAACAGAGCTCTACAAAAGTA  
 GACCTGCCTTTAGCTAGCCACAGATCTACTTCTCAGATCTTACCATCAATGTCAGTGTCT  
 ATATGCCCCAGTTCAACAGAAGTTCTGAAAGCATGCAGGAATCCAGGTAAAAATGGCTTG  
 TCTAATAGCTGCATTTTGTAGATAAATGTCCACCTCCAAGACCACCACTTCCACATAC  
 CCACCTTGCCAAAGGACAAGTTGAATCCACCCACACCTAGTATTTACTTGGAAAATAAA  
 CGTGATGCTTTTCTTCCATTACATCAATTTGTACAAATCCAAAAAACCTGTTTACA  
 GTAATACGTGGCCTTGTGGAGCTTTAAATAGATCTTGGACTTTTCTTACCAAAACT  
 TTGGTAGAAGCTAACAATGAACATATGGTAGAAGTGAGGACACAGTTGCTGCAACCAGCA  
 GATGAAAACCTGGGATCCCACTGGAACAAAAGAAAATCTGGCGTTGTGAAAGCAATAGATCT  
 CATACTACAATTGCCAAATACGCACAATACCAGGCTTCTCCTTCCAGGAATCATTGAGA  
 GAAGAAAATGAGAAAAGAACAACACAAGATCATTAGATAACGAATCCACATCTTCA  
 GAGAATTCTGGAAGGAGAAGGAAAGGACCTTTTAAAACATAAAATTTGGGACCAACATT  
 GACCTCTCTGATAACAAAAGTGAAGTTGCAGTTACATGAACTGACTAACTTCTGCT  
 TTTGCGCGTGTGGTGTGAGCAGGAAATCTTCAACCCATGTTGGGCATACCATTCTGGGC  
 ATGAATACAGTACAACCTGTATATGAAAGTTCCAGGGAGTCGGACACCAGGTCACCAAGAA  
 AATAACAACCTTCTGCTCTGTTAACATAAATATTGGTCCAGGAGATTGTGAATGGTTTGT  
 GTACCTGAAGATTATTGGGGTGTCTGAATGACTTCTGTGAAAAAAATAATTTGAATTTT  
 TTAATGAGTTCTTGGTGGCCCAACCTTGAAGATCTTTATGAAGCAAAATGTCCTGTGAT  
 AGATTTATTACAGCGACCTGGAGATTTGGTCTGGATAAATGCAGGCACTGTGCATTGGGT  
 CAAGCTGTTGGCTGGTGAATAACATTGCCTGGAATGTTGGTCCACTTACAGCCTGCCAG  
 TATAAATGGCAGTGAACGGTATGAATGGAACAAATGAAAAGTGTGAAGTCAACAGTA  
 CCCATGGTGCATCTTCTGGAATATGGCACGAAATATCAAAGTCTCAGATCCAAAGCTT  
 TTTGAAATGATTAAGTATTGCTTTTAAAATTTCTGAAGCAATATCAGACATTGAGAGAA  
 GCTCTTGTGAGCAGGAAAAGAGGTTATATGGCATGGGCGGACAAATGATGAACCAGCT  
 CATTACTGTAGCATTTGTGAGGTGGAGTTTTTAACTGCTTTTTGTCACTAATGAAAGC  
 AATACTCAAAAACCTACATAGTACATTGCCATGATTGTGACGAAAAACAAGCAAAAGT  
 TTGGAAAATTTTGGTGTCTCGAACAGTACAAAATGGAGGACCTAATCCAAGTTTATGAT  
 CAATTTACTAGCTCTTTCATTATCATCCTCATCTTGA

<b>5' Read Nucleotide Sequence:</b>	<p>&gt;OriGene 5' read for NM_007125 unedited</p> <pre>GTCACCATTTGTATACGACTCACTATAGGGCGGCCGCAATTCGCACGAGGCTGCGTGGG GTTCCGCCGTGACACAATTACAACCTTTGTGCTGGTGTGCGCAAAGTTTGTGATTTAAGA AATTCTGCTGTGCTCTCCAGCACTGCGAGCTTCTGCCTCCCTGTAGTTTCCCAGCATGT GATCCAGGTAGCCGAGTCCCGTGCCCGTGCTTCGGTAGCTTAAGTCTTTCGCTCAGCTT TTTTCTTGCAGCCGCTGAGGAGGCGATAAAAATGGCGTCACAGTCTCAAGCAGCGATTG AAGGCGTCTTTTCACTACTCGATTAAGGTTGGGTATCGTGGGACTTGGAAATTTGT TGTTTCCATGAAATCCTGCGCAGTGTGCTCACTACCGCCGCTGTGCTTCGGTGATGA GGCAAAGAAAATGGCGGAAGGAAAAGCGAGCCGCGAGAGTGAAGAGGAGTCTGTTAGCCT GACAGTCGAGGAAAGGGAGGCGCTTGGTGGCATGGACAGCCGTCTCTCGGGTTCGTGAG GCTTCATGAAGATGGCGCCAGAACGAAGACCCTACTAGGCAAGGCTGTTGCTGCTACGA ATCTTTAATCTTAAAAGCTGAAGAAAAGTGGAGTCTGACTTCTTTTCCAAATTAGGTCA CTTCAACCTCTTGTGGAAGATTATTCAAAGCATTATCTGCATATCAGAGATACTACAG TTTACAGGCTGACTACTGGAAGAATGCTGCGTTTTTATATGGCCTGGTTTGGTCTACTT CTACTACAATGCATTTTCATTGGGCAATTAAGCATTTCAGATGCCTTTATGTTGACCCC ACTNNTGTCGAGCCAAGGAAAAATCATTACGACNNTGGCTCATGTTCAAAGTGAACACAG ACTACAAGTCTAGTTTAAAGCATTTTCAGNTAGCCCTTGATGA</pre>
<b>3' Read Nucleotide Sequence:</b>	<p>&gt;OriGene 3' read for NM_007125 unedited</p> <pre>TTTAGCTTGGACGCGGCCGAATCTACGATCGAGTTTTTTTTTTTTTTTTTTCATATGAC AAACATTTTTTAAAGAACTTATTACAATTTACTAGCGATATAGATTTTTTAAATCTTTC CTCCCCCTCACCCCAAACCATGTTGTACAAGCAGGACAGTATAGCATTTCAAAGTCATCT AGCTTTAAAAAATAAGCCACTTATTTGTTCTCTAAATAGGTTATCATTCTGAATCTCTT TTCCATAAGAACTCTTATTAATACATCATTCTCAAATTTATATAAGGTTTCTTTAA AATATTTACTTCACTGACTATATGTTTTCTACTGTTATAAAATACAATCTTCCAGCACTC ATTTATGGGCTATCACTATGGGGACTACAACCTACTAAACCACACTAGAGGACATTTACT TTAAAAACAGCTAACTCCCGTACCACCTTATAACAGGCTACCTCAAACCTCTATACCT GGCCACATCACCTTCTAAACACCCTACCCTCCTCCCCCGGCGCATCTGCCACTTCAAAC CCGCGTGGCCCCCACCCTCCCTCGACTACCTCATCTACCCTCTCGAACCCCACTAG CGTCTTTTCCACGTCCGTTACTCCCCCCCCCACCCTCCGCTCTACCCCCCGCTCCT CTTTCACCTCTTCCCTCAGCCCCCCCCCTGCCTCCATCTTCCCTCCTCACTCCGCTC CCCCCATTTCCACCTCCCCTACCAAAGGACCTCCCCTCGATCCATTACCCCTCC CCAGCCTCGCCCCCATTCTCCCCGATACCGCCCCCTGACCGTTGACTCCTCTCGT AACCCCTCAACTCCCTTCTCCCTTCTAATTTGCGGGCGTGGACCTACCTTATCCCT CCTTCAACCCCCCCCCCGTATACATCGCG</pre>
<b>Restriction Sites:</b>	NotI-NotI
<b>ACCN:</b>	NM_007125
<b>Insert Size:</b>	6000 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).

**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\\_007125.3](#), [NP\\_009056.3](#)

**RefSeq Size:** 6538 bp

**RefSeq ORF:** 4044 bp

**Locus ID:** 7404

**UniProt ID:** [O14607](#)

**Cytogenetics:** Yq11.221

**Domains:** TPR, JmjC

**Protein Families:** Transmembrane

**Gene Summary:** This gene encodes a protein containing tetratricopeptide repeats which are thought to be involved in protein-protein interactions. The encoded protein is also a minor histocompatibility antigen which may induce graft rejection of male stem cell grafts. A large number of alternatively spliced transcripts have been observed for this gene, but the full length nature of some of these variants has not been determined. [provided by RefSeq, Apr 2012]

Transcript Variant: This variant (3) lacks two consecutive exons in the coding region, but maintains the reading frame, compared to variant 4. The encoded isoform (3) is shorter than isoform 4. 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.