

## Product datasheet for **SC315298**

### UTY (NM\_182659) Human Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** UTY (NM\_182659) Human Untagged Clone  
**Tag:** Tag Free  
**Symbol:** UTY  
**Synonyms:** KDM6AL; KDM6C; UTY1  
**Vector:** pCMV6 series  
**Fully Sequenced ORF:** >NCBI ORF sequence for NM\_182659, the custom clone sequence may differ by one or more nucleotides

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ATGAAATCCTGCGCAGTGTGCGTCACTACCGCCGCTGTTGCCTTCGGTGATGAGGCAAAG
AAAATGGCGGAAGGAAAAGCGAGCCGCGAGAGTGAAGAGGAGTCTGTTAGCCTGACAGTC
GAGGAAAGGGAGGCGCTTGGTGGCATGGACAGCCGCTCTTTCGGGTTTCGTGAGGCTTCAT
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TTGCTAGGCAGTAATTGTATAGCAGGAAGTGAAGTAAATGGAAATGTGCCTTACCTGCAG
CAAAAATACACACTCTACCTCATAATCATACAGACCTGAACAGCAGCACAGAAGAGCCA

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TGGAGAAAACAGCTATCTAACTCCGCTCAGGGGCTTCATAAAAGTCAGAGTTCATGTTTG  
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 AAAAAGTGGAAAGTTGCAGTTACATGAACCTGACTAACTTCTGCTTTTGGCGGTGGTG  
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 CTGTATATGAAAGTTCCAGGGAGTCGGACACCAGGTACCAAGAAAATAACAACCTTCTGC  
 TCTGTTAACATAAATATTGGTCCAGGAGATTGTGAATGGTTTGTGTACCTGAAGATTAT  
 TGGGGTGTCTGAATGACTTCTGTGAAAAAATAATTTGAATTTTTAATGAGTTCTTGG  
 TGGCCCAACCTTGAAGATCTTTATGAAGCAAATGTCCCTGTGTATAGATTTATTCAGCGA  
 CCTGGAGATTTGGTCTGGATAAATGCAGGCACTGTGCATTGGGTTCAAGCTGTTGGCTGG  
 TGCAATAACATTGCCTGGAAATGTTGGTCCACTTACAGCCTGCCAGTATAAATTGGCAGTG  
 GAACGGTATGAATGGAACAAATTGAAAAGTGTGAAGTCACCAGTACCCATGGTGCATCTT  
 TCCTGGAATATGGCACGAAATATCAAAGTCTCAGATCCAAAGCTTTTTGAATGATTAAG

- Restriction Sites:** Please inquire
- ACCN:** NM\_182659
- 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).
- OTI Annotation:** This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
- 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\\_182659.1](#), [NP\\_872600.1](#)

**RefSeq Size:** 4931 bp

**RefSeq ORF:** 3723 bp

**Locus ID:** 7404

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

**Cytogenetics:** Yq11.221

**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 (2) has multiple differences compared to variant 4, including the use of an alternate 3' UTR. The encoded isoform (2) is shorter than isoform 4.