

Product datasheet for RC235265

UTY (NM_001258262) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: UTY (NM_001258262) Human Tagged ORF Clone
Tag: Myc-DDK
Symbol: UTY
Synonyms: KDM6AL; KDM6C; UTY1
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >RC235265 representing NM_001258262
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGGATCGCC

ATGAAATCCTGCGCAGTGTGCTCACTACCGCCGCTGTTGCCTTCGGTGATGAGGCAAAGAAAATGGCGG
AAGGAAAAGCGAGCCGCGAGAGTGAAGAGGAGTCTGTTAGCCTGACAGTCGAGGAAAGGGAGGCGCTTGG
TGGCATGGACAGCCGTCTCTTCGGGTTCTGAGGCTTCATGAAGATGGCGCCAGAACGAAGACCCTACTA
GGCAAGGCTGTTGCTGCTACGAATCTTTAATCTTAAAAGCTGAAGGAAAAGTGGAGTCTGACTTCTTTT
GCCAATTAGGTCACTTCAACCTCTTGTGGAAAGATTATCAAAGCATTATCTGCATATCAGAGATTA
CAGTTTACAGGCTGACTACTGGAAGAATGCTGCGTTTTATATGGCCTTGGTTTGGTCTACTTCTACTAC
AATGCATTTCAATGGGCAATTAAGCATTCAAGATGCCTTTATGTTGACCCGAGCTTTTGTGCGAGCCA
AGGAAATTCATTTACGACTTGGGCTCATGTTCAAAGTGAACACAGACTACAAGCTAGTTTAAAGCATT
TCAGTTAGCCTTGATTGACTGTAATCCATGTACTTTGCAATGCTGAAATTCATTTTCAATTGCCAT
TTGTATGAAACCCAGAGGAAGTATCATTCTGCAAAGGAGGCATATGAACAACCTTTTGCAGACAGAAAAC
TCCTGCACAAGTAAAAGCAACTGTATTGCAACAGTTAGTTGGATGCATCATAATATGGATCTAGTAGG
AGACAAAGCCACAAAGGAAAGCTATGCTATTCAGTATCTCCAAAAGCTTTGGAGGCAGATCCTAATTCT
GGCCAATCGTGGTATTTTCTTGGAAAGTGTATTCAAGTATTGGGAAAAGTTCAGGATGCCTTTATATCTT
ACAGGCAATCTATTGATAAATCAGAAGCAAGTGCAGATACATGGTGTTCATAGGTGTGTGTATCAGCA
GCAAAATCAGCCTATGGATGCTTTACAGGCATATATTTGTGCTGTACAATTGGACCATGGGCATGCCGCA
GCCTGGATGGACCTAGGTACTCTCTATGAATCCTGCAATCAACCTCAAGATGCCATTAATGCTACCTAA
ATGCAGCTAGAAGCAAACGTTGTAGTAATACCTCTACGCTTGCTGCAAGAATTAATTTCTACAGGCTCA
GTTGTGTAACCTCCACAAAGTAGTCTACAGAATAAACTAAATTACTTCTAGTATTGAGGAGGCATGG
AGCCTACCAATCCCGCAGAGCTTACCTCCAGGCAGGTTGCCATGAACACAGCACAGCAGGCTTATAGAG
CTCATGATCCAAATACTGAACATGTATTAACACAGTCAAACCAATTTTACAGCAATCCTTGTCACT
ACACATGATTACTTCTAGCCAAGTAGAAGGCCTGTCCAGTCTGCCAAGAAGAAAAGAACATCTAGTCCA
ACAAAGAATGGTCTGATAACTGGAATGGTGGCCAGAGCTTTACATCATCCAGTACAGCAAGTTATT



[View online »](#)

CGTTGTGTTTGACACCACAGAAATTACAGCACTTGAACAACCTGCGAGCAATAGAGATAATTTAAATCC
AGCACAGAAGCATCAGCTGGAACAGTTAGAAAAGTCAGTTTGTCTTAATGCAGCAAATGAGACACAAAGAA
GTTGCTCAGGGGCTTCATAAAAGTCAGAGTTTCATGTTTGTGAGGACCTAATGAAGAACAACCTCTGTTTT
CCACTGGGTCAGCCCAGTATCACCAGGCAACTAGCACTGGTATTAAGAAGGCGAATGAACATCTCACTCT
GCCTAGTAATTCAGTACCACAGGGGGATGCTGACAGTCACCTCTCCTGTCATACTGCTACCTCAGGTGGA
CAACAAGGCATTATGTTTACCAAAGAGAGCAAGCCTTCAAAAAATAGATCCTTGGTGCCTGAAACAAGCA
GGCATACTGGAGACACATCTAATGGCTGTGCTGATGTCAAGGGACTTTCTAATCATGTTTCATCAGTTGAT
AGCAGATGCTGTTTCCAGTCCTAACCATGGAGATTACCAAATTTATTAATTGCAGACAATCCTCAGCTC
TCTGCTTTGTTGATTGAAAAAGCCAATGGCAATGTGGGACTGGAACCTGTGACAAAGTGAATAATATTC
ACCCAGCTGTTTACATAAAAGACTGATCATTCTGTTGCCTCTTACCCTCTCAGCCATTTCCACAGCAAC
ACCTTCTCCTAAATCCACTGAGCAGAGAAGCATAAACAGTGTTACCAGCCTAACAGTCTCACAGTGGA
TTACACACAGTCAATGGAGAGGGGCTGGGGAAGTCACAGAGCTCTACAAAAGTAGACCTGCCTTTAGCTA
GCCACAGATCTACTTCTCAGATCTTACCATCAATGTCAGTGTCTATATGCCCCAGTTCAACAGAAGTTCT
GAAAGCATGCAGGAATCCAGGTAATAATGGCTTGTCTAATAGCTGCATTTTGTAGATAAATGTCCACCT
CCAAGACCACCACTTACCATACCCACCCTTGCCAAAGGACAAGTTGAATCCACCCACACCTAGTATTT
ACTTGAAAAATAACGTGATGCTTTCTTCTCCTCATTACATCAATTTTGTACAAATCCAAAAAACCTGT
TACAGTAATACGTGGCCTTGCTGGAGCTCTTAAATTAGATCTTGGACTTTTCTCTACAAAACTTTGGTA
GAAGCTAAACAATGAACATATGGTAGAAGTGAGGACACAGTTGCTGCAACCAGCAGATGAAAACTGGGATC
CCACTGGAACAAAGAAAACTGGCGTTGTGAAAGCAATAGATCTCATACTACAATTGCCAAATACGCACA
ATACCAGGCTTCTCCTTCCAGGAATCATTGAGAGAAGAAAAAGAAAAAGAACACAACAAAGATCAT
TCAGATAACGAATCCACATCTTCCAGAGAATTCTGGAAGGAGAAGGAAAGGACCTTTTAAACCATAAAAT
TTGGGACCAACATTGACCTCTCTGATAACAAAAAGTGGAAAGTTGCAGTTACATGAACTGACTAAACTTCC
TGCTTTTGGCGTGTGGTGTGAGCAGGAAATCTTCAACCCATGTTGGGCATACCATTCTGGGCATGAAT
ACAGTACAACCTGTATATGAAAGTTCCAGGGAGTCGGACACCAGGTCACCAAGAAAAATAACAACCTTCTGCT
CTGTTAACATAAATATTGGTCCAGGAGATTGTGAATGGTTTGTGTTGTTGTTGTTGTTGTTGTTGTTGTTGTT
GAATGACTTCTGTGAAAAAATAATTTGAATTTTAAATGAGTTCTTGGTGGCCCAACCTTGAAGATCTT
TATGAAGCAATGTCCCTGTGTATAGATTTATTACGCGACCTGGAGATTTGGTCTGGATAAATGCAGGCA
CTGTGCATTGGGTTCAAGCTGTTGGCTGGTGAATAACATTGCCTGGAATGTTGGTCCACTTACAGCCTG
CCAGTATAAATGGCAGTGAACGGTATGAATGGAACAAATTGAAAAGTGTGAAGTACCAGTACCCATG
GTGCATCTTCTGGAATATGGCAGGAAATATCAAAGTCTCAGATCCAAAGCTTTTGAATGATTAAGT
ATTGTCTTTTGAATTTCTGAAGCAATATCAGACATTGAGAGAAGCTCTTGTGAGCAGGAAAAGAGGT
TATATGGCATGGGCGGACAAATGATGAACCAGCTCATTACTGTAGCATTGTGAGGTGGAGTTTTTAAT
CTGCTTTTTGTCATAATGAAAGCAATACTCAAAAAACCTACATAGTACATTGCCATGATTGTGCACGAA
AAACAAGCAAAAGTTTGGAAAAATTTGTGGTGTCTGAAACAGTACAAAATGGAGGACCTAATCCAAGTTTA
TGATCAATTTACTAGCTCTTTCATTATCATCTCATCT

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC235265 representing NM_001258262
 Red=Cloning site Green=Tags(s)

MKSCAVSLTTAAVAFGDEAKKMAEGKASRESEEEVSLSL TVEEREALGGMDSRLFGFVRLHEDGARTKLL
 GKAVRCYESLILKAEGKVESDFCQLGHFNLLLEDYSKALSAYQRYSSLQADYWKNA AFLYGLGLVYFY
 NAFHWAIAKAFQDVLVYDPSFCRAKEIHLRLGLMFKVNTDYKSSLKHFQLALIDCNPCTLSNAEQFHIAH
 LYETQRKYHSAKEAYEQLLQ TENLPAQVKATV LQQLGWMHHNMDLVGDKATKESYAIQYLQKSL EADPNS
 GQSWYFLGRCYSSIGKVQDAFISYRQSIDKSEASADTWC SIGVLVYQQNQPM DALQAYICAVQLDHGHAA
 AWM DLGTLYESCNQPQDAIKCYLNAARSKRCSNTSTLAARIKFLQAQLCNLPQSSSLQNKTKLLPSIEEAW
 SLP IPAELTSRQGAMNTAQQAYRAHDPNTEHVLNHSQTPILQQSLSHMITSSQVEGLSSPAKKRTSSP
 TKN GSDNWNGGQSLSHHPVQQVYSLCLTPQKLQHLEQLRANRDNLNPAQKHQLEQLESQFVLMQQRHKE
 VAQGLHKSQSSCLSGPNEEQPLFSTGSAQYHQATSTGIKKANEHLTLPNSVSPQGDADSHLSCHTATSGG
 QQGIMFTKESKPSKNRSLVPETSRHTGDT SNGCADVKGLSNHVHQLIADAVSSPNHG DSPNLLIADNPQL
 SALLIGKANGVGTGTC DKVNNIHPAVHTKTDH SVASSPSSAISTATPSPKSTEQR SINSVTSLN SPSHSG
 LHTVNGEGLGKSQSSTKVDLPLASHRSTSQILPMSVSI CPSSTEV LKACRNPGKNGLSN SCILLDKCPP
 PRPPTSPYPPLPKDKLN PPTPSIYLENKRDAFFPPLHQFCTNPKNPVTVIRGLAGALKLDLGLFSTKTLV
 EANNEHMEVVRTQLLQPADENWDPTGTKKIWRCESNRSHTTI AKYAQYQASSFQESLREENEKRTQHKDH
 SDNESTSSENSGRRRKGPFTIKFGTNIIDLSDNKKWKLQLHELTKLPAFARVVSAGNLLTHVGHITILGMN
 TVQLYMKVPGSRTPGHQENNNFCSVNIINIGPGDCEWFVVPEDYWGVLNDFCEKNNL NFMSSWPNLEDL
 YEANVPVYRFIQRPGDLVWINAGTVHVVQAVGWCNNIAWN VGPLTACQYKLAVERYEWNKLSVKVSPVPM
 VHL SWNMARNIKVSDPKLFEMIKYCLL KILKQYQTLREALVAAGKEVIWHGRTNDEPAHYCSICEVEVFN
 LLFVTNESNTQKTYIVHCHDCARKTSK SLENFVLEEQYKMEDLIQVYDQFTLALSLSSSS

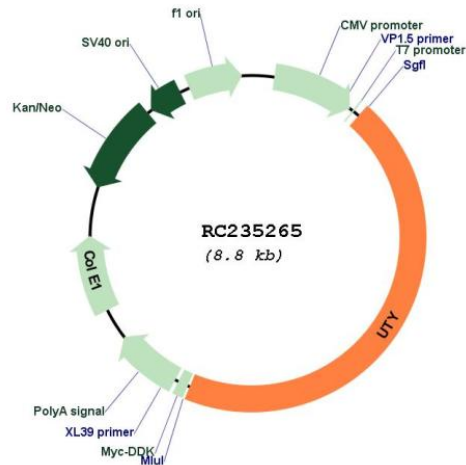
TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:



Plasmid Map:


ACCN: NM_001258262

ORF Size: 3960 bp

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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_001258262.1](#), [NP_001245191.1](#)

RefSeq Size: 6445 bp

RefSeq ORF: 3963 bp

Locus ID: 7404

Cytogenetics: Yq11.221

Protein Families: Transmembrane

MW: 147.7 kDa

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]