

## Product datasheet for **RC200343**

### UXT (NM\_004182) Human Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** UXT (NM\_004182) Human Tagged ORF Clone  
**Tag:** Myc-DDK  
**Symbol:** UXT  
**Synonyms:** ART-27; STAP1  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**ORF Nucleotide Sequence:** >RC200343 ORF sequence  
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGCGACGCCCCCTAAGCGGGGGCGGTGGAGGCCACGGGGGAGAAAGTCTGCGCTACGAGACCTTCA  
TCAGTGACGTGCTGCAGCGGGACTTGCGAAAGGTGCTGGACCATCGAGACAAGGTATATGAGCAGCTGGC  
CAAATACCTTCACTGAGAAATGTCATTGAGCGACTCCAGGAAGCTAAGCACTCGGAGTTATATGCGAG  
GTGGATTTGGGCTGTAACCTCTTCGTTGACACAGTGGTCCAGATACTTCACGCATCTATGTGGCCCTGG  
GATATGGTTTTTCTGGAGTTGACTGGCAGAAGCTCTCAAGTTCATTGATCGTAAGAGCTCTCTCCT  
CACAGAGCTCAGCAACAGCCTCACCAAGGACTCCATGAATATCAAAGCCATATCCACATGTTGCTAGAG  
GGGCTTAGAGAACTACAAGGCCTGCAGAATTTCCAGAGAAGCCTCACCAT

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:** >RC200343 protein sequence  
Red=Cloning site Green=Tags(s)

MATPPKRRAVEATGEKVLRYETFISDVLQRDLRKVLDHRDKVYEQQLAKYLQLRNVIERLQEAKHSELYMQ  
VDLGCNFFVDTVVPDTSRIYVALGYGFFLELTLAEALKFIDRKSSLLTELSNSLTKDSMNIKAHIHMLLE  
GLRELQGLQNFPEKPHH

**TR**TRPLEQKLISEEDLAANDILDYKDDDDKV

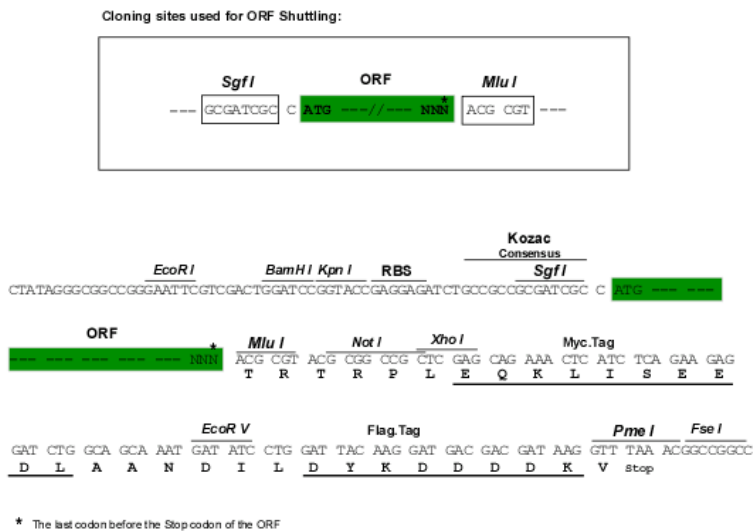
**Chromatograms:** [https://cdn.origene.com/chromatograms/mk6394\\_a11.zip](https://cdn.origene.com/chromatograms/mk6394_a11.zip)



[View online >](#)

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**ACCN:** NM\_004182

**ORF Size:** 471 bp

**OTI Disclaimer:** Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in *E. coli* are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at [custsupport@origene.com](mailto:custsupport@origene.com) or by calling 301.340.3188 option 3 for pricing and delivery.

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\\_004182.3](#)

**RefSeq Size:** 619 bp

**RefSeq ORF:** 474 bp

**Locus ID:** 8409

**UniProt ID:** [Q9UBK9](#)

**Cytogenetics:** Xp11.23

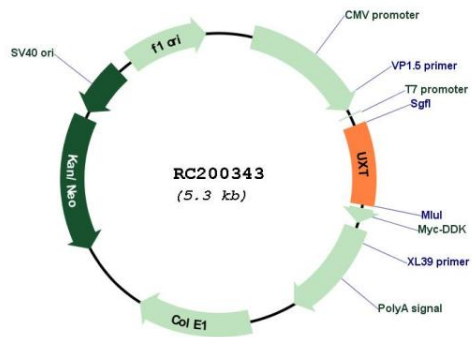
**Domains:** DUF232

**Protein Families:** Druggable Genome

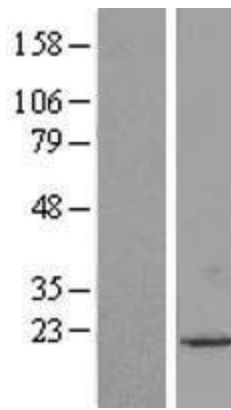
**MW:** 18.2 kDa

**Gene Summary:** The protein encoded by this gene functions as a cofactor that modulates androgen receptor-dependent transcription, and also plays a critical role in tumor necrosis factor-induced apoptosis. Expression of this gene may play a role in tumorigenesis. Alternatively spliced transcript variants encoding multiple isoforms have been observed for this gene. [provided by RefSeq, Nov 2011]

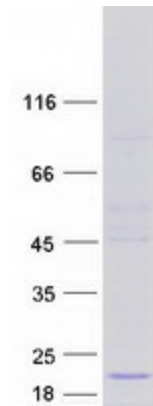
**Product images:**



Circular map for RC200343



Western blot validation of overexpression lysate (Cat# [LY418160]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC200343 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).



Coomassie blue staining of purified UXT protein (Cat# [TP300343]). The protein was produced from HEK293T cells transfected with UXT cDNA clone (Cat# RC200343) using MegaTran 2.0 (Cat# [TT210002]).