

## 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**CGATCGC**C

ATGGCGACGCCCCCTAAGCGGGGGCGGTGGAGGCCACGGGGAGAAAGTGCTGCGCTACGAGACCTTCA  
 TCAGTGACGTGCTGCAGCGGGACTTGCGAAAGGTGCTGGACCATCGAGACAAGGTATATGAGCAGCTGGC  
 CAAATACCTTCACTGAGAAATGTCATTGAGCGACTCCAGGAAGCTAAGCACTCGGAGTTATATATGCAG  
 GTGGATTTGGGCTGTAATTCTTCGTTGACACAGTGGTCCAGATACTTCACGCATCTATGTGGCCCTGG  
 GATATGGTTTTTCTGGAGTTGACACTGGCAGAAGCTCTCAAGTTCATTGATCGTAAGAGCTCTCTCCT  
 CACAGAGCTCAGCAACAGCCTCACCAAGGACTCCATGAATATCAAAGCCCATATCCACATGTTGCTAGAG  
 GGGCTTAGAGAACTACAAGGCCTGCAGAATTTCCAGAGAAGCCTCACCAT

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

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

**TR**TRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms:	<a href="https://cdn.origene.com/chromatograms/mk6394_a11.zip">https://cdn.origene.com/chromatograms/mk6394_a11.zip</a>
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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.

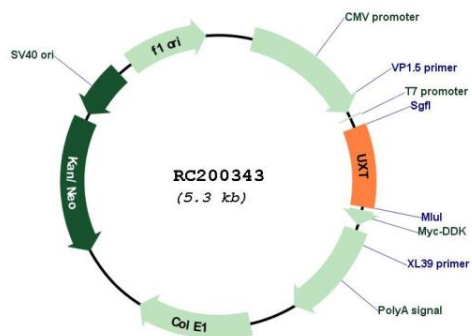
The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in 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.

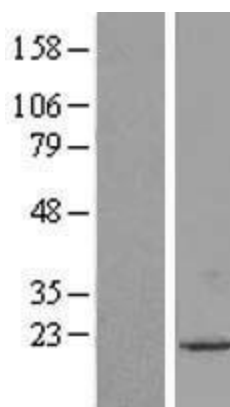
Components: The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

<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>
<b>Note:</b>	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
<b>RefSeq:</b>	<u>NM_004182.3</u>
<b>RefSeq Size:</b>	619 bp
<b>RefSeq ORF:</b>	474 bp
<b>Locus ID:</b>	8409
<b>UniProt ID:</b>	<u>Q9UBK9</u>
<b>Cytogenetics:</b>	Xp11.23
<b>Domains:</b>	DUF232
<b>Protein Families:</b>	Druggable Genome
<b>MW:</b>	18.2 kDa
<b>Gene Summary:</b>	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]

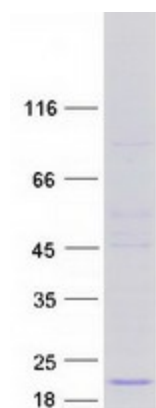
## Product images:



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]).