

Product datasheet for **RN204281**

Uxt (NM_001006982) Rat Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Uxt (NM_001006982) Rat Untagged Clone
Tag: Tag Free
Symbol: Uxt
Synonyms: MGC105797
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >RN204281 representing NM_001006982
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGGCGACGCCCCGAAACGGCGGGCCTTGATACGGTGGGGGAGAAAGTCTGCGGTATGAGGCCTTTA
TCAGTGACGTACTGCAGCGAGACTTGCAAAGGTACTGGACCATCGAGACAAGGTATATGAGCAGCTGTC
TGTATACCTTCAACTAAGAAATGTCATTGAGCGACTCCAGGAACTAATCACTCGGAGTTATATATGCAG
GTGGATTTGGGCTGTAACCTCTTCGTTGACACAATGGTCCAGACTTCACGCATCTATGTGGCCCTGG
GATACGGTTTTTCTGGAAGTACTGACTGGCCGAAAGCTCTCAAGTTCATTGACCGAAAGAGTTCCCTCCT
CACAGAGCTCAGCGACAGCCTCACCAAGGACTCCATGAATATCAAGCCAATATCCACATGATGCTAGAG
GGACTTAGAGAACTACAAGGCCTGCAGAATTTCCAGAGCCATCTCCCAT**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: Sgfl-MluI

ACCN: NM_001006982

Insert Size: 474 bp

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).



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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:	<ol style="list-style-type: none">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:	<u>NM_001006982.1</u> , <u>NP_001006983.1</u>
RefSeq Size:	550 bp
RefSeq ORF:	474 bp
Locus ID:	299313
UniProt ID:	<u>Q63ZY7</u>
Cytogenetics:	Xq11
Gene Summary:	Involved in gene transcription regulation. Acts in concert with the corepressor URI1 to regulate androgen receptor AR-mediated transcription. Together with URI1, associates with chromatin to the NKX3-1 promoter region. Negatively regulates the transcriptional activity of the estrogen receptor ESR1 by inducing its translocation into the cytoplasm. May act as nuclear chaperone that facilitates the formation of the NF-kappa-B enhanceosome and thus positively regulates NF-kappa-B transcription activity. Potential component of mitochondrial-associated LRPPRC, a multidomain organizer that potentially integrates mitochondria and the microtubular cytoskeleton with chromosome remodeling. Increasing concentrations of UXT contributes to progressive aggregation of mitochondria and cell death potentially through its association with LRPPRC. Suppresses cell transformation and it might mediate this function by interaction and inhibition of the biological activity of cell proliferation and survival stimulatory factors like MECOM.[UniProtKB/Swiss-Prot Function]