

Product datasheet for MR200565

Uxt (BC029258) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Uxt (BC029258) Mouse Tagged ORF Clone
Tag: Myc-DDK
Symbol: Uxt
Synonyms: 0910002B17Rik
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >MR200565 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGCGACGCCCCGAAACGGCGGGCCTTGGATATGGTGGGGGAGAAAGTCTGCGGTACGAGACCTTTA
 TCAGTGACGTACTGCAGCGAGACTTGCAAAGGTGCTGGATCATCGAGACAAGGTATATGAGCAGCTGTC
 CGTATATCTTCAACTAAGAAATGTCATTGAGCGACTCCAGGAACTAATCACTCGGAGTTATATGCGAG
 GTGGATTTGGGCTGTAACCTCTTCGTTGACACAGTGGTCCAGATACTTCACGCATCTATGTGCCCTGG
 GATATGGTTTTTCTGGAAGTACACTGGCTGAAGCACTCAAGTTCATTGACCGAAAGAGTTCTCTCTCT
 CACAGAG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR200565 protein sequence
 Red=Cloning site Green=Tags(s)
 MATPPKRRALDMVGEKVLRYETFISDVLQRDLQKVLDRDKVYEQLSVYLQLRNVIERLQETNHSELYMQ
 VDLGCNFFVDTVVPDTSRIYVALGYGFFLELTLAEALKFIDRKSSLLTE

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: Sgfl-MluI



[View online »](#)

Cloning Scheme:


ACCN: BC029258

ORF Size: 357 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: [BC029258](#), [AAH29258](#)

RefSeq Size: 701 bp

RefSeq ORF: 359 bp

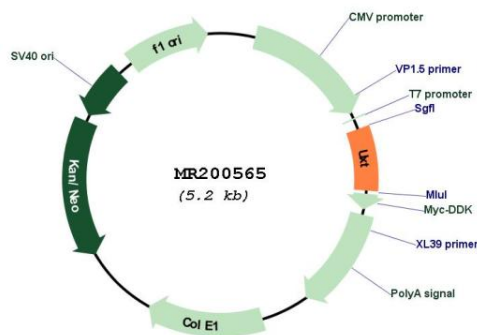
Locus ID: 22294

Cytogenetics: X A1.3

MW: 13.9 kDa

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]

Product images:



Circular map for MR200565