

Product datasheet for MR201183

Uxt (NM_013840) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
 Product Name: Uxt (NM_013840) 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: >MR201183 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGCGACGCCCCGAAACGGCGGGCCTTGATACGGTGGGGGAGAAAGTCTGCGGTACGAGACCTTTA
 TCAGTGACGTACTGCAGCGAGACTTGCAAAAGGTGCTGGATCATCGAGACAAGGTATATGAGCAGCTGTC
 CGTATATCTTCAACTAAGAAATGTCATTGAGCGACTCCAGGAACTAATCACTCGGAGTTATATATGCAG
 GTGGATTTGGGCTGTAACCTCTCGTTGACACAGTGGTCCAGATACTTCACGCATCTATGTGGCCCTGG
 GATATGGTTTTTCTGGAAGTACTGACTGGCTGAAGCACTCAAGTTCATTGACCGAAAGAGTTCTCTCTCT
 CACAGAGCTCAGCGACAGCCTCACCAAGGACTCCATGAATATCAAGGCCATATCCACATGATGCTAGAG
 GGACTTAGAGAACTACAAGGCCTGCAGAATTTCCAGAGCCATCTCCCAT

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR201183 protein sequence
 Red=Cloning site Green=Tags(s)

MATPPKRRALDTVGEKVLRYETFISDVLQRDLQKVLDRDKVYEQLSVYLQLRNVIERLQETNHSELYMQ
 VDLGCNFFVDTVVPDTSRIYVALGYGFFLELTLAEALKFIDRKSSLLTELSDSLTKDSMNIKAHIHMMLE
 GLRELQGLQNFPEPSPH

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI



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Cloning Scheme:



ACCN: NM_013840

ORF Size: 471 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.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: [NM_013840.3](#), [NP_038868.2](#)

RefSeq Size: 833 bp

RefSeq ORF: 474 bp

Locus ID: 22294

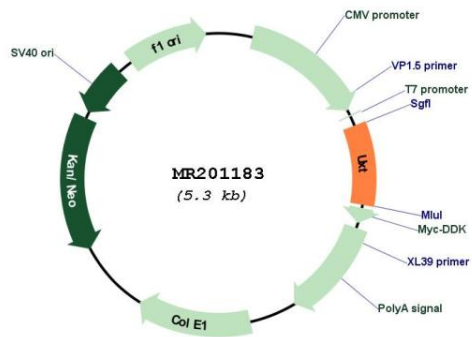
UniProt ID: [Q9WTZ0](#)

Cytogenetics: X A1.3

MW: 18.2 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 MR201183