**OriGene Technologies, Inc.**
9620 Medical Center Drive, Ste 200
Rockville, MD 20850, US
Phone: +1-888-267-4436
https://www.origene.com
techsupport@origene.com
EU: info-de@origene.com
CN: techsupport@origene.cn

# Product datasheet for SC315791

## UNCX (NM_001080461) Human Untagged Clone

### Product data:

| | |
|---|---|
| **Product Type:** | Expression Plasmids |
| **Product Name:** | UNCX (NM_001080461) Human Untagged Clone |
| **Tag:** | Tag Free |
| **Symbol:** | UNCX |
| **Synonyms:** | UNCX4.1 |
| **Mammalian Cell Selection:** | Neomycin |
| **Vector:** | pCMV6-Entry (PS100001) |
| **E. coli Selection:** | Kanamycin (25 ug/mL) |

**Fully Sequenced ORF:**

>SC315791 representing NM_001080461.
Blue=Insert sequence Red=Cloning site Green=Tag(s)

GCTCGTTTAGTGAACCGTCAGAATTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGATGGACGGCCGCCTCCTGGAACACCCGCATGCCCAGTTCGGGGGCTCGCTGGGCGGCGTGGTGGGC
TTCCCCTACCCGCTGGGCCACCACCACGTGTACGAGCTGGCCGGGCACCAGCTGCAGTCGGCCGCCGCC
GCCGCCTCGGTGCCCTTCTCCATCGACGGCCTGCTCGGGGGCTCGTGCGCCGCCGCCGCCTCGGTGGTC
AACCCCACGCCGCTGCTGCCAGCCGCCTGCGGGGTCGGCGGGGACGGCCAGCCCTTCAAGCTGTCAGAC
TCGGGGGACCCGGACAAGGAGAGCCCGGGCTGCAAGCGGCGGCGCACCCGCACCAACTTCACCGGCTGG
CAGCTGGAGGAGCTGGAGAAGGCGTTCAACGAGAGCCACTATCCCGACGTGTTCATGCGCGAGGCGCTG
GCGCTGCGCCTAGACCTGGTCGAGTCCCGAGTTCAGGTCTGGTTCCAAAACCGCCGGGCCAAGTGGAGG
AAGAAGGAGAACACGAAAAAGGGCCCGGGGCGGCCGGCGCACAACTCGCACCCGACCACGTGCAGCGGC
GAGCCCATGGACCCGGAGGAGATCGCGCGCAAGGAGCTGGAGAAGATGGAGAAGAAGAAGCGCAAGCAC
GAGAAGAAGCTGCTGAAGAGCCAGGGCCGCCACTTGCACTCGCCCGGCGGCCTGTCCCTGCACAGCGCG
CCCAGCTCCGACAGCGACAGCGGCGGCGGCGGCCTGTCTCCGGAGCCGCCCGAGCCGCCGCCGCCCGCC
GCCAAGGGCCCCGGAGCGCACGCCTCGGGCGCCGCGGGGACCGCGCCCGCCCCTCCCGGCGAGCCGCCT
GCACCCGGCACCTGCGACCCCGCCTTCTACCCGAGCCAAAGAAGCGGCGCCGGCCCACAGCCGCGCCCA
GGTCGCCCTGCGGACAAGGACGCGGCCTCGTGCGGGCCAGGGGCCGCTGTGGCGGCGGTGGAGCGCGGC
GCCGCGGGGCTGCCCAAGGCCAGCCCATTCAGCGTGGAGAGCCTCCTGTCCGACTCGCCGCCGCGCCGG
AAAGCCGCTTCCAACGCCGCCGCCGCCGCCGCCGCGGGGCTGGACTTCGCGCCCGGGCTGCCGTGCGCG
CCGCGGACCCTGATCGGCAAGGGCCACTTCCTCCTCTACCCCATCACGCAGCCGCTCGGCTTCCTGGTG
CCGCAGGCCGCGCTCAAGGGCGGCGCGGGCCTGGAGCCGGCGCCCAAGGACGCGCCGCCCGCGCCCGCC
GTGCCGCCCGCGCCGCCTGCCCAGGCCAGTTTCGGGGCCTTCTCGGGGCCCGGCGGCGCCCCGGACTCG
GCCTTCGCGCGTCGCAGCCCCGACGCCGTCGCCTCCCCGGGGGCCCCAGCCCCGGCCCCGGCGCCTTTC
CGGGACCTCGCCTCGGCAGCGGCTACCGAGGGCGGCGGCGGGGACTGCGCGGACGCGGGGACCGCCGGC
CCCGCGCCCCCGCCGCCCGCGCCGTCGCCCAGGCCCGGCCCTCGGCCTCCCAGCCCCGCCGAGGAGCCG
GCCACCTGCGGGGTTCCCGAGCCTGGCGCGGCGGCCGGACCCAGCCCGCCGGAGGGCGAGGAGCTGGAC
ATGGACTGA
ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC

**Restriction Sites:** SgfI-MluI

**ACCN:** NM_001080461

**Insert Size:** 1596 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).

**OTI Annotation:** This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.

**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.<br>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.<br>3. Close the tube and incubate for 10 minutes at room temperature.<br>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.<br>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_001080461.1 |
| **RefSeq Size:** | 1596 bp |
| **RefSeq ORF:** | 1596 bp |
| **Locus ID:** | 340260 |
| **UniProt ID:** | A6NJT0 |
| **Cytogenetics:** | 7p22.3 |
| **MW:** | 53.7 kDa |
| **Gene Summary:** | This gene encodes a homeobox transcription factor that is involved in somitogenesis and neurogenesis and is required for the maintenance and differentiation of specific elements of the axial skeleton. This gene also plays a role in controlling the development of connections of hypothalamic neurons to pituitary elements, allowing central neurons to reach the peripheral blood circulation and deliver hormones that control peripheral functions. The expression of this gene is associated with an increased frequency of acute myeloid leukemia. [provided by RefSeq, Jul 2017] |