

Product datasheet for **RC200151**

UNC45A (NM_018671) Human Tagged ORF Clone

Product data:

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| Product Type: | Expression Plasmids |
| Product Name: | UNC45A (NM_018671) Human Tagged ORF Clone |
| Tag: | Myc-DDK |
| Symbol: | UNC45A |
| Synonyms: | GC-UNC45; GCUNC-45; GCUNC45; IRO039700; OOHE; SMAP-1; SMAP1; UNC-45A |
| Vector: | pCMV6-Entry (PS100001) |
| E. coli Selection: | Kanamycin (25 ug/mL) |
| Cell Selection: | Neomycin |



[View online »](#)

ORF Nucleotide Sequence:

>RC200151 representing NM_018671
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGACTGTGAGTGGTCCAGGGACCCCCAGCCCCGGCCGCCACCCCGGGGCCAGCTCAGTGGAGCAGC
 TGCGGAAGGAGGGCAATGAGCTGTTCAAATGTGGAGACTACGGGGCGCCCTGGCCGCCTACACTCAGGC
 CCTGGGTCTGGACGCGACGCCCCAGGACCAGGCCGTTCTGCACCGGAACCGGGCCGCTGCCACCTCAAG
 CTGGAAGATTACGACAAAGCAGAAACAGAGGCATCCAAGCCATTGAAAAGGATGGTGGGGATGTCAAAG
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ACGCGTACGCGGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC200151 representing NM_018671
 Red=Cloning site Green=Tags(s)

MTVSGPGTPEPRPATPGASSVEQLRKEGNELFKCGDYGGALAAAYTQALGLDQAVLHRNRAACHLK
 LEDYDKAETEASKAIEKDGDDVKALYRRSQALEKLGRLDQAVLDLQRCVSLPEKKNVFEALRNIGGQIQ
 EKVRYMSSTDAKVEQMFQILLDPEEKGTEKKQKASQNLVVLAREDAGAEIFRSNGVQLLQRLDMGETD
 LMLAALRTLVGICSEHQSRVATLSILGTRRVVSILGVESQAVSLAACHLLQVMFDALKEGVKKGFRGKE
 GAIIVDPARELKVLI SNLLDLLTEVGVSGQGRDNAL TLLIKAVPRKSLKDPNNSLTLWVIDQGLKKILEV
 GGS LQDPPGELAVTANSRMSASILL SKLFDDLKCAERENFHRLCENYIKSWFEGQGLAGKLRAIQTVSC
 LLQGPCDAGNRALELSGVMESVIALCASEQEEELVAVEAL IHAAGKAKRASFITANGV SLLKLDLYKCE
 KDSIRIRALVGLCKLGSAGGDFSMKQFAEGSTLKLAKQCRKWLNDQIDAGTRRWA VEGLAYLTFDADV
 KEEFVEDAAALKALFQLSRLEERSVLF AVASALVNCTNSYDYEEDPKMV ELAKYAKQHVPEQHPKDKPS
 FVRARVKLLAAGVVSAMVMVKTESPVL TSSCRELLSRVFLALVEEVEDRGTVAQGGGRAL IPLALEG
 TDVGTQKAAQALAKL TITSNPEMTFPGERIYEVVRPLV SLLHLNCSGLQNF EALMALTNLAGISERLRQK
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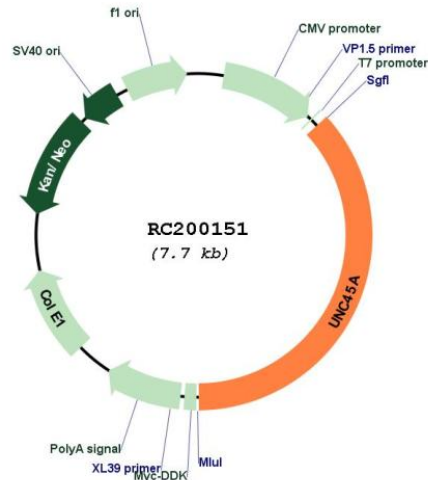
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

Cloning Scheme:



Plasmid Map:


ACCN: NM_018671

ORF Size: 2832 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: [NM_018671.5](#)

RefSeq Size: 3585 bp

RefSeq ORF: 2835 bp

Locus ID: 55898

UniProt ID: [Q9H3U1](#)

Cytogenetics: 15q26.1

MW: 102.9 kDa

Gene Summary: This gene encodes a regulatory component of the progesterone receptor/heat shock protein 90 chaperoning complex, which functions in the assembly and folding of the progesterone receptor. The encoded protein is thought to be essential for normal cell proliferation, and for the accumulation of myosin during development of muscle cells. [provided by RefSeq, Sep 2018]