

Product datasheet for **SC113393**

UNC45A (NM_018671) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	UNC45A (NM_018671) Human Untagged Clone
Tag:	Tag Free
Symbol:	UNC45A
Synonyms:	GC-UNC45; GCUNC-45; GCUNC45; IRO039700; OOHE; SMAP-1; SMAP1; UNC-45A
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >NCBI ORF sequence for NM_018671, the custom clone sequence may differ by one or more nucleotides

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ATGACTGTGAGTGGTCCAGGGACCCCCGAGCCCCGGCCGCCACCCCCGGGGCCAGCTCAGTGGAGCAGC
TGC GGAAGGAGGGCAATGAGCTGTTCAAATGTGGAGACTACGGGGGCCCTGGCGGCTACACTCAGGC
CTGGGTCTGGACGCGACGCCCCAGGACCAGGCGTTCTGCACCGGAACCGGGCCGCTGCCACCTCAAG
CTGGAAGATTACGACAAAAGCAGAAAACAGAGGCATCCAAAGCCATTGAAAAGGATGGTGGGATGTCAAAG
CACTCTACCGGCGGAGCCAAGCCCTAGAGAAGCTGGGCCGCTGGACCAGGCTGTCTTGACCTGCAGAG
ATGTGTGAGCTTGAGGCCAAGAACAAGTTTTCCAGGAGGCCTTGC GGAACATCGGGGGCCAGATTGAG
GAGAAGGTGCGATACATGCTCCTCGACGGATGCCAAAGTGAACAGATGTTTCAGATACTGTTGGACCCAG
AAGAGAAGGGCACTGAGAAAAAGCAAAGGCTTCTCAGAACCTGGTGGTGTCTGGCCAGGGAGGATGCTGG
AGCGGAGAAGATCTCCGGAGTAATGGGGTTCAGCTCTTGCAACGTTTACTGGACATGGGAGAGACTGAC
CTCATGCTGGCGGCTCTGCGTACGCTGGTTGGCATTGCTCTGAGCATCAGTACGACAGTGGCAACCC
TGAGCATACTGGAACTCGGCGAGTAGTCTCCATCCTGGGCGTGGAAAGCCAGGCTGTGTCCCTGGCTGC
CTGCCACCTGCTGCAGGTTATGTTTGATGCCCTCAAGGAAGGTGTCAAAAAGGCTTCCGAGGCAAAGAA
GGTGCCATCATTGTGGATCCTGCCCGGAGCTGAAGGTCTCATCAGTAACCTCTTAGATCTGCTGACAG
AGGTGGGGTCTCTGGCCAAGGCCGAGACAATGCCCTGACCTCCTGATTAAGCGGTGCCCCGGAAGTC
TCTCAAGGACCCCAACAACAGCCTCACCCTCTGGGTCAATCGACCAAGGTCTGAAAAGATTTTGGAAAGT
GGGGGCTCTACAGGACCTCCTGGGGAGCTCGCAGTGACCGCAACAGCCGATGAGCGCCTCTATTC
TCCTCAGCAAGCTCTTTGATGACCTCAAGTGTGATGCGGAGAGGGAGAATTTCCACAGACTTTGTAAAA
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CTCTGCAGGGCCCATGTGACGCTGGCAACCGGGCTTGGAGCTGAGCGGTGTGATGGAGAGTGTGATG
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GGTAAGCGGGCCTCATTCACTGCCAAATGGTGTCTGCTGCTGAAGGACCTATAAAGTGCAGCGAG
AAGGACAGCATCCGCATCCGGGGCTAGTGGGACTCTGTAAGCTCGGTTGCGCTGGAGGGACTGACTTCA
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CCAGATCGACGACGGCACTCGGCGCTGGGCACTGGAGGGCCTGGTTACCTGACCTTTGATGCCGACGTG
AAGGAAGAGTTTGTGGAGGATGCGGCTGCTCTGAAAGCTCTGTTCCAGCTCAGCAGGTTGGAGGAGAGGT
CAGTGCTCTTTGCGGTGGCCTCAGCGCTGGTGAAGTGCACCAACAGCTATGACTACGAGGAGCCCGACCC
CAAGATGGTGGAGCTGGCCAAGTATGCCAAGCAGCATGTGCCCGAGCAGCACCCCAAGGACAAGCCAAGC
TTCGTGCGGGCTCGGGTGAAGAAGCTGCTGGCAGCGGGTGTGGTGTGCGCCATGGTGTGCATGGTGAAGA
CGGAGAGCCCTGTGCTGACCAGTTCTGACAGAGAGCTGCTCTCCAGGGTCTTCTTGGCTTTAGTGAAGA
GGTAGAGGACCGAGGCACTGTGGTTGCCAGGGAGGGCGGCAAGGGCGCTGATCCCGCTGGCCCTGGAAGGC
ACGGACGTGGGGCAGACAAGGCCAGCCAGGCCCTTGCCAAGCTCACCATCACCTCCAACCCGGAGATGA
CCTTCCCTGGCGAGCGGATCTATGAGGTGGTCCGGCCCTCGTCTCCCTGTTGCACCTCAACTGCTCAGG
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ATCCTGAAGGAGAAGGCTGTGCCATGATAGAAGGCTACATGTTTGGAGGAGCATGAGATGATCCGCCGGG
CAGCCACGGAGTGATGTGTAACCTTGGCCATGAGCAAGGAGGTGCAGGACCTCTTCGAAGCCAGGGCAA
TGACCGACTGAAGCTGCTGGTGTGTACAGTGGAGAGGATGATGAGCTGCTACAGCGGGCAGCTGCCGGG
GGCTTGGCCATGCTTACCTCCATGCGGGCCACGCTCTGCAGCCGATTCCCAAGTGACCACACTGGC
TGGAGATCCTGCAGGCCCTGTTCTGAGCTCCAACCAGGAGCTGCAGCACCGGGGTGCTGTGGTGGTGTGCT
GAACATGGTGGAGGCTCGAGGGAGATTGCCAGCACCTGATGGAGAGTGAGATGATGGAGATCTTGTC
GTGCTAGCTAAGGGTGACCACAGCCCTGTACAAGGGCTGCTGCAGCCTGCCTGGACAAAGCAGTGGAAAT
ATGGGCTTATCCAACCAACCAAGATGGAGAGTGA
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5' Read Nucleotide Sequence:

>OriGene 5' read for NM_018671 unedited
 TTGTAATACGACTCACTATAGGGCGGCCGGAATTCGGCACGAGGCCAAGATGGTGGAGC
 TGGCCAAGTATGCCAAGCAGCATGTGCCGAGCAGCACCCCAAGGACAAGCCAAGCTTCG
 TGCGGGCTCGGGTGAAGAAGCTGCTGGCAGCGGGTGTGGTGTGGCCATGGTGTGCATGG
 TGAAGACGGAGAGCCCTGTGCTGACCAGTTCCTGCAGAGAGCTGCTCTCCAGGGTCTTCT
 TGGCTTTAGTGAAGAGGTAGAGGACCGAGGCACTGTGGTTGCCAAGGAGGCGGCAGGG
 CGCTGATCCCGCTGGCCCTGGAAGGCACGACGTGGGGCAGACAAGGCAGCCAGGCC
 TTGCCAAGCTCACCATCACCTCCAACCCGAGATGACCTTCCCTGGCGAGCGGATCTATG
 AGGTGGTCCGGCCCTCGTCTCCCTGTTGCACCTCAACTGCTCAGGCCTGCAGAACTTCG
 AGGCGCTCATGGCCCTAACAAACCTGGCTGGGATCAGCGAGAGGCTCCGGCAGAAGATCC
 TGAAGGAGAAGGCTGTGCCATGATAGAAGGCTACATGTTTGGAGAGCATGAGATGATCC
 GCCGGGCAGCCACGGAGTGCATGTGTAACCTTGGCCATGAGCAAGGAGGTGCANGACCTCT
 TCGAAGCCAGGGCATGACCGACTGAAGCTGCTGGTGTGTACAGTGGAGAGGATGATG
 AGCTGCTACAGCGGGCAGCTGCCGGGGCTTGCCATGCTTACCTCCATGCCNCAGCTCT
 GCANCGCATTCCAGTGACCCACACTGGCTGGAGATCTGCAGCCCTGCTTCTGAGCTCAC
 CCCAGACTGCACACCCGGGTGCTGNNGGGGGGCTGAACATGTG

3' Read Nucleotide Sequence:

>OriGene 3' read for NM_018671 unedited
 TTTTNNNNNNNNNTNTTTTTAACTNTGNACCGCGNCCGCATACTAGNGATCGGTTTTT
 TTTTTTTTTTTTGGGATTCTACACACTTTTATTGGAGGGGCAGGCCTGATAGCAGGCTC
 ACAGCTGGTGAGGCTGCTGATGTGTGCCCTTCCAGATGCCCCAGGATCCACAGGCTGT
 GTTGGGATGCACCTTCCCATTCCAGCTGACTACAGTAGTACAGAAAAAGGGCCCTCT
 GAGTGAGGCTGCAGGCAGTGTGCCAAGCAGGGCTGTGTGACTGAACGTGGCCGCTGAC
 TCAGAACCAGAGGACATCCTAGGGCAGCAAGCGAGGATGGGCAAGAGTATTGGGCATGCC
 AGCCACCACCAGCCAAAGCTGCTCCGTCTTACTCTCCGTGCCACAATAGGTAGCGTGT
 GCATGAGCCTTGGGCCAGGGACAACCCCTCACTCTCCATCTTGGTTGGGTTGGATAAG
 CCCATATTCCACTGCTTTGTCCAGGCAGGCTGCAGCAGCCCTTGTGACANGGCTGTGGTC
 ACCCTTAGCTAGCACTGACAAGATCTCCATCATCTCACTCTCCATCAGGGNTGCTGGACA
 TCTCCCTCGAGGCCTNCACCATGTTTCAGCACACCACAGCACCCCGTTGCTGCAGCTTC
 TGGGTTGAAGCTCANAAACCAGGGCCTGCAGGAACCTTCAACCCAGTGTGTGTAACCTGG
 GGAATGCCGCTGCANAACGTGGCCCATGGAAGGTAACCTGGGCCAAACCCCGGAAGT
 TGGCCCTTGGTACACCTTATATTCTTTCCCTGGACAAAACCCCATTTAAATCGGGCAT
 TTCCCTGGGTTTCAAAAAGCCCTGCCCTTCTTGCTCAGGGCCACATTACACCTGCCTTCC
 GGGGTGGCCCGGGTTATTCTTTTGCCTTAAACATTACCTTTTTTATGGGCCACCCCT
 TTT

Restriction Sites:

NotI-NotI

ACCN:

NM_018671

Insert Size:

1460 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).

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_018671.1](#), [NP_061141.1](#)

RefSeq Size: 3585 bp

RefSeq ORF: 3585 bp

Locus ID: 55898

UniProt ID: [Q9H3U1](#)

Cytogenetics: 15q26.1

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]

Transcript Variant: This variant (2) encodes the longer isoform (2).