

Product datasheet for **SC314965**

UNC45A (AB014736) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	UNC45A (AB014736) Human Untagged Clone
Tag:	Tag Free
Symbol:	UNC45A
Synonyms:	GC-UNC45; GCUNC-45; GCUNC45; IRO039700; SMAP-1; SMAP1; UNC-45A
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL6</u>
E. coli Selection:	Ampicillin (100 ug/mL)

Fully Sequenced ORF: >OriGene sequence for AB014736 edited
 CCTCTCCGCGATGACTGTGAGTGGTCCAGGGACCCCGAGCCCCGGCCGCCACCCCGG
 GGCCAGCTCAGTGGAGCAGCTGCGGAAGGAGGGCAATGAGCTGTTCAAATGTGGAGACTA
 CGGGGGCGCCCTGGCGGCTACACTCAGGCCCTGGGTCTGGACGCGACGCCCCAGGACCA
 GGCCGTTCTGCACCGGAACCGGGCCGCCTGCCACCTCAAGCTGGAAGATTACGACAAAGC
 AGAAACAGAGGCATCAAAGCCATTGAAAAGGATGGTGGGGATGTCAAAGCACTCTACCG
 GCGGAGCCAAGCCCTAGAGAAGCTGGGCGCCTGGACCAGGCTGTCTTGACCTGCAGAG
 ATGTGTGAGCTTGGAGCCCAAGAACAAGTTTTCCAGGAGGCTTGCAGAACATCGGGGG
 CCAGATTCAGGAGAAGGTGCGATACATGTCTCGACGGATGCCAAAGTGGAAACAGATGTT
 TCAGATACTGTTGACCCAGAAGAGAAGGGCACTGAGAAAAAGCAAAGGCTTCTCAGAA
 CCTGGTGGTGCTGGCCAGGGAGGATGCTGGAGCGGAGAAGATCTTCCGGAGTAATGGGGT
 TCAGCTCTTGCAACGTTTACTGGACATGGGAGAGACTGACCTCATGCTGGCGGCTCTGCC
 TACGCTGGTTGGCATTGCTCTGAGCATCAGTCACGGACAGTGGCAACCCCTGAGCATACT
 GGGAACTCGGCGAGTAGTCTCCATCCTGGGCGTGGAAAGCCAGGCTGTGTCCCTGGCTGC
 CTGCCACCTGCTGCAGGTTATGTTTGTGACCCCAAGGAAGGTGTCAAAAAGGCTTCCG
 AGGCAAAGAAGGTGCCATCATTGTGGATCCTGCCCGGGAGCTGAAGTCCATCAGTAA
 CCTCTTAGATCTGCTGACAGAGGTGGGGTCTCTGGCCAAGGCCGAGACAATGCCCTGAC
 CCTCCTGATTAAGCGGTGCCCGGAAGTCTCTCAAGGACCCCAACAACAGCCTCACCCCT
 CTGGGTCATCGACCAAGGTCTGAAAAGATTTTGGAAAGTGGGGGGCTCTACAGGACCC
 TCCTGGGGAGCTCGCAGTGACCGCAAACAGCCGATGAGCGCCTTATTCTCCTCAGCAA
 GCTCTTTGATGACCTCAAGTGTGATGCGGAGAGGGAGAATTTCCACAGACTTTGTAAAA
 CTACATCAAGAGCTGGTTTGGGGCCAAGGGCTGGCCGGGAAGCTACGGGCCATCCAGAC
 GGTGTCTGCCTCCTGCAGGGCCCATGTGACGCTGGCAACCGGCCTTGGAGCTGAGCGG
 TGTGATGGAGAGTGTGATTGCTCTGTGTGCTCTGAGCAGGAGGAGGAGCAGCTGGTGGC
 CGTGGAGGCTCTGATCCATGCAGCCGCAAGGCTAAGCGGGCCTCATTCACTGCCAA
 TGGTGTCTCGCTGCTGAAGGACCTATAAAGTGCAGCGAGAAGGACAGCATCCGCATCCG
 GCGCTAGTGGGACTCTGTAAGCTCGGTTCCGGCTGGAGGGACTGACTTCAGCATGAAGCA



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GTTTGCTGAAGGCTCCACTCTCAAACCTGGCTAAGCAGTGTGCGAAAGTGGCTGTGCAATGA
 CCAGATCGACGCAGGCACTCGGCCTGGGCAGTGGAGGGCCTGGCTTACCTGACCTTTGA
 TGCCGACGTGAAGGAAGAGTTTGTGGAGGATGCGGCTGCTCTGAAAGCTCTGTTCCAGCT
 CAGCAGTTGGAGGAGAGGTCACTGCTCTTTGCGGTGGCTCAGCGCTGGTGAATGCAC
 CAACAGCTATGACTACGAGGAGCCCGACCCCAAGATGGTGGAGCTGGCCAAGTATGCCAA
 GCAGCATGTGCCGAGCAGCACCCCAAGGACAAGCCAAGCTTCGTGCGGGCTCGGGTGAA
 GAAGCTGCTGGCAGCGGGTGTGGTGTGCGCCATGGTGTGCATGGTGAAGACGGAGAGCC
 TGTGCTGACCAGTTCCTGCAGAGAGCTGCTCTCCAGGGTCTTCTGGCTTTAGTGAAGA
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 CACCTCCAACCCGGAGATGACCTTCCCTGGCGAGCGGATCTATGAGGTGGTCCGGCCCT
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 AACAACTGGCTGGGATCAGCGAGAGGCTCCGGCAGAAGATCCTGAAGGAGAAGGCTGT
 GCCATGATAGAAGGCTACATGTTTGGAGAGCATGAGATGATCCGCCGGCAGCCACGGA
 GTGCATGTGTAACCTGGCCATGAGCAAGGAGGTGCAGGACCTCTCGAAGCCAGGGCAA
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 CCAAGTGACCACACACTGGCTGGAGATCCTGCAGGCCCTGCTTCTGAGCTCCAACAGGA
 GCTGCAGCACCGGGTGTGTGGTGGTGTGAACATGGTGGAGGCCTCGAGGGAGATTGC
 CAGCACCTGATGGAGAGTGAGATGATGGAGATCTTGTGAGTGTAGCTAAGGGTGACCA
 CAGCCCTGTACAAGGGCTGTGCGACCTGCCTGGACAAAGCAGTGAATATGGGCTTAT
 CCAACCAACCAAGATGGAGAGTGAGGGGTGTCCCTGGGCCAAGGCTCATGCACAGC
 CTACCTATTGTGGCAGGAGAGTAAGGACGGAAGCAGCTTTGGCTGGTGGTGGCTGGC
 GCCAATACTCTTGCCTCCTCGCTTGTGCTGCCCTAGGATGTCCCTCTGTTCTGAGTCAGC
 GGCCACGTTCACTCACACAGCCCTGCTTGGCCAGCACTGCCTGCAGCCTCACTCAGAGGG
 GCCCTTTTCTGTACTACTGTAGTCAGCTGGGAATGGGAAGGTGCATCCCAACACAGCC
 TGTGGATCCTGGGGCATTGGAAGGGCGCACACATCAGCAGCCTCACCAGCTGTGAGCCT
 GCTATCAGGCCTGCCCTCCAATAAAAGTGTGTAGAACTCAAAAAAAAAAAAAAAAAAAAA

5' Read Nucleotide Sequence:

>OriGene 5' read for AB014736 unedited
 CCCCCATTACCCCGCCGATGCCGATTGGGCGGTAGGCGTGTACGGTGGGAGTCTAT
 ATAAGCAGAGCTCATTTAGGTGACACTATAGAATACAAGCTACTTGTCTTTTTGACGG
 GCCGCAATTCGGCAGGAGCCCTCTCCGCGATGACTGTGAGTGGTCCAGGGACCCCGA
 GCCCGCGCCGCCACCCCGGGCCAGCTCAGTGGAGCAGCTGCGGAAGGAGGGCAATGA
 GCTGTTCAAATGTGGAGACTACGGGGGCGCCCTGGCGGCCTACACTCAGGCCCTGGGTCT
 GGACGCGACGCCCAGGACCAGGCCGTTCTGCACCGAACCGGGCCGCTGCCACCTCAA
 GCTGGAAGATTACGACAAAGCAGAAACAGAGGCATCCAAAGCCATTGAAAAGGATGGTGG
 GGATGTCAAAGCACTCTACCGCGGAGCCAAGCCCTAGAGAAGCTGGGCCGCTGGACCA
 GGCTGTCTTGACCTGCAGAGATGTGTGAGCTTGGAGCCCAAGAACAAGTTTTCCAGGA
 GGCTTGGCGAACATCGGGGGCCAGATTAGGAGAAGGTGCGATACATGTCTCGACGGA
 TGCCAAAGTGAACAGATGTTTCAGATACTGTTGGACCCAGAAGAGAAGGGCACTGAGAA
 AAAGCAAAGGCTTCTCAGAACCTGGTGGTGTGGCCAGGGAGGATGCTGGAGCGGAGAA
 GATCTTCCGGAGTAATGGNGTTCAGCTCTTGNACGTTTACTGGACATGGGAGAGACTGA
 CCTCNATGCTGCGGCTCTGCGTACGCTGGTTGGCATTGCTCTGAGCATCAGTCCGGNAC
 AGTGGNACCCCTGAGCATACTGNGCAGCTCGCGAGTAGTCTCCATCCTTGGCGTGAAGC
 CAGNCTGTGCCCTTGCTT

Restriction Sites: NotI-NotI
ACCN: AB014736
Insert Size: 3200 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:	The open reading frame of this TrueClone was fully sequenced and found to be a perfect match to the protein associated to this reference.
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:	<ol style="list-style-type: none">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:	AB014736.1 , BAB20273.1
RefSeq Size:	3234 bp
RefSeq ORF:	3234 bp
Locus ID:	55898
Cytogenetics:	15q26.1
Domains:	Armadillo_seg, TPR
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]