

## Product datasheet for **SC310777**

### UNC45A (NM\_001039675) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	UNC45A (NM_001039675) Human Untagged Clone
Tag:	Tag Free
Symbol:	UNC45A
Synonyms:	GC-UNC45; GCUNC-45; GCUNC45; IRO039700; OOHE; SMAP-1; SMAP1; UNC-45A
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**Fully Sequenced ORF:** >SC310777 representing NM\_001039675.  
 Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTGCACTG
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TACAAGGATGACGACGATAAGGTTTAAACGGCCGCGC
  
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**Restriction Sites:** SgfI-MluI  
**ACCN:** NM\_001039675

<b>Insert Size:</b>	2790 bp
<b>OTI Disclaimer:</b>	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).
<b>OTI Annotation:</b>	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.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"> <li>1. Centrifuge at 5,000xg for 5min.</li> <li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li> <li>3. Close the tube and incubate for 10 minutes at room temperature.</li> <li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li> <li>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.</li> </ol>
<b>RefSeq:</b>	<u><a href="#">NM_001039675.1</a></u>
<b>RefSeq Size:</b>	4035 bp
<b>RefSeq ORF:</b>	2790 bp
<b>Locus ID:</b>	55898
<b>UniProt ID:</b>	<u><a href="#">Q9H3U1</a></u>
<b>Cytogenetics:</b>	15q26.1
<b>MW:</b>	101.7 kDa
<b>Gene Summary:</b>	<p>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]</p> <p>Transcript Variant: This variant (3) has a longer 5' UTR, and uses an alternate in-frame splice site in the 5' coding region, compared to variant 2. The encoded isoform (3) is shorter, compared to isoform 2.</p>