

## Product datasheet for **SC303865**

### Uroplakin Ia (UPK1A) (NM\_007000) Human Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Uroplakin Ia (UPK1A) (NM\_007000) Human Untagged Clone  
**Tag:** Tag Free  
**Symbol:** Uroplakin Ia  
**Synonyms:** TSPAN21; UP1A; UPIA; UPKA  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)

**Fully Sequenced ORF:** >OriGene sequence for NM\_007000 edited  
ATGGCGTCTGCGGCAGCAGCGGAGGCCGAGAAGGGATCTCCAGTTGTGGTGGGCCTGCTA  
GTTGTGGGCAATATCATTATTCTGCTGTCAGGCCTGTCCCTGTTTGTGAGACCATATGG  
GTGACAGCCGACCAGTACCGTGTATACCCACTGATGGGAGTCTCAGGCAAGGATGACGTC  
TTCGCTGGTGCCTGGATTGCCATCTTCTGCGGCTTCTCCTTCTTCATGGTAGCCAGTTTT  
GGTGTGGGTGCCCACTCTGCCGCCCGGTCCATGGTCCTCACGTACCTGGTGCTCATG  
CTCATCGTCTACATCTTCGAGTGCCTCCTGCATCACGTCTACACCCACCGTGACTAC  
ATGGTGTCCAACCCATCCCTGATCACCAGCAGATGCTGACCTTCTACAGCGCGGACACC  
GACCAGGGCCAGGAGCTGACCCGCCTCTGGGACCGGTGATGATTGAGCAAGAATGCTGT  
GGCACATCTGGTCCCATGGACTGGTGAACCTCACGTGAGCCTTCCGGGCGGCCACTCCG  
GAGGTGGTGTCCCTGGCCCCACTGTGCTGTCGCCGACGGGAACTTCATCCCCCTC  
AACGAGGAGGGCTGCCGCTGGGGCACATGGACTACCTGTTACCAAGGGCTGCTTCGAA  
CACATCGGCCACGCCATCGACAGCTACACGTGGGGTATCTCGTGGTTTGGGTTTGCATC  
CTGATGTGGACGCTCCCGTTCATGCTGATAGCCATGTATTTCTACACCATGCTCTGA

**Restriction Sites:** Please inquire

**ACCN:** NM\_007000

**Insert Size:** 800 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).



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<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_007000.2</a></u> , <u><a href="#">NP_008931.1</a></u>
<b>RefSeq Size:</b>	1223 bp
<b>RefSeq ORF:</b>	777 bp
<b>Locus ID:</b>	11045
<b>UniProt ID:</b>	<u><a href="#">O00322</a></u>
<b>Cytogenetics:</b>	19q13.12
<b>Protein Families:</b>	Transmembrane
<b>Gene Summary:</b>	<p>The protein encoded by this gene is a member of the transmembrane 4 superfamily, also known as the tetraspanin family. Most of these members are cell-surface proteins that are characterized by the presence of four hydrophobic domains. The proteins mediate signal transduction events that play a role in the regulation of cell development, activation, growth and motility. This encoded protein is found in the asymmetrical unit membrane (AUM) where it can complex with other transmembrane 4 superfamily proteins. It may play a role in normal bladder epithelial physiology, possibly in regulating membrane permeability of superficial umbrella cells or in stabilizing the apical membrane through AUM/cytoskeletal interactions. The protein may also play a role in tumor suppression. Alternative splicing results in multiple transcript variants of this gene. [provided by RefSeq, Jul 2013]</p> <p>Transcript Variant: This variant (1) encodes isoform 1.</p>