

## Product datasheet for **SC122765**

### Uroplakin Ib (UPK1B) (NM\_006952) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Uroplakin Ib (UPK1B) (NM_006952) Human Untagged Clone
Tag:	Tag Free
Symbol:	Uroplakin Ib
Synonyms:	TSPAN20; UPIB; UPK1
Mammalian Cell Selection:	None
Vector:	<u><a href="#">pCMV6-XL5</a></u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene sequence for NM\_006952 edited  
ACCGTGTGCGCAGAAAGAGGAGGCGCTTGCCTTCAGCTTGTGGGAAATCCCGAAGATGGC  
CAAAGACAACCTCAACTGTTTCGTTGCTTCCAGGGCCTGCTGATTTTTGGAAATGTGATTAT  
TGGTTGTTGCGGCATTGCCCTGACTGCGGAGTCCATCTTCTTTGTATCTGACCAACACAG  
CCTCTACCCACTGCTTGAAGCCACCGACAACGATGACATCTATGGGGCTGCCTGGATCGG  
CATATTTGTGGGCATCTGCCTCTCTGCCTGTCTGTTCTAGGCATTGTAGGCATCATGAA  
GTCCAGCAGGAAAATTTCTTGGCGTATTTTCATTCTGATGTTTACAGTATATGCCTTTGA  
AGTGGCATCTTGTATCACAGCAGCAACACAACGAGACTTTTTTACACCCAACCTCTTCT  
GAAGCAGATGCTAGAGAGGTACCAAAACAACAGCCCTCCAACAATGATGACCAGTGAA  
AAACAATGGAGTCACAAAACCTGGGACAGGCTCATGCTCCAGGACAATTGCTGTGGCGT  
AAATGGTCCATCAGACTGGCAAAAATACACATCTGATGACCGGCTGTAGAATAATGATGC  
TGACTATCCCTGGCCTCGTCAATGCTGTGTTATGAACAATCTTAAAGAACCTCTCAACCT  
GGAGGCTGTAAACTAGGCGTGCCTGGTTTTTATACAATCAGGGCTGCTATGAACTGAT  
CTCTGGTCCAATGAACCGACACGCTGGGGGGTGCCTGGTTTGGATTTGCCATTCTCTG  
CTGGACTTTTTGGGTTCTCCTGGGTACCATGTTCTACTGGAGCAGAATTGAATATTAAGC  
ATAAAGTGTGCCACCATACCTCCTTCCCGAGTACTCTGGATTTGGTGTGGAACCGAG  
CTCTCTCCTAATATTCCACGTTTGTGCCCCACACTAACGTGTGTGTCTTACATTGCCAAG  
TCAGATGGTACGGACTTCTTTAGGATCTCAGGCTTCTGCAGTCTCATGACTCCTACTT  
TTCATCCTAGTCTAGCATTCTGCAACATTTATATAGACTGTTGAAAGGAGAATTTGAAAA  
ATGCATAATAACTACTTCCATCCCTGCTTATTTTTAATTTGGGAAAAATAATACATTGGA  
AGGAACCTGTGTTATCACAGTAACCCAGAGCTGTATTTGGCTAGCAATCTGCCTGTATCT  
CTCACTATTATCTAAAAGAAACCTTCCAATGCTTCTGTTGATCTCAGTATTGTCAGGGGA  
ACAGAGAAGTTGGGAAAAGATTACTGAAATATACCTTTTGCATTTCTTTCTAGAGTAGCT  
CCCATATATGGAGATGGGTGATTCTTGTGATGCCACCTTCAGATCCTTTTATTCTCCAGA  
ATAAATCTTAACAGTGGTTCAAATTTCTTTTACATACCTTGAAGTATGTGTTTAGTAGCCT  
CAATTCTCCATTAATAAAAGTGTGGGCTGGGCGTGGGGGCTCATGCCTGTAATCCACAGC  
ACTTTGGGAGGCCGAGGTGGGCAGATCACCTGAGGTGAGGAGTTCAAGACCAGCCTGGCC  
AACATGGTGAACCCCGTCTCTACAAAAATACAAAAATTAGCCAGGCGTGATGGCAGGTG  
CCTGTAATCCTAGCTACTTGGCAGGCTAACGCAGGAGAATCACTTGACCGGGAGACAGAG  
GTTGCAGTGAGCTGAGATCGTACCTATTGCACTCCATCCTGGATGAAAGAGCCAGACTCT  
GTCTCAAAACAACAAAAAGCGTGGGGACTTCTGGGGACAGACAAGGTGCCTGTTATAT  
ATTTACTCAGTCTTTGCCCTGAATGGTCTCAGCTTGAGACCATTTCAAACCTGGAGAGAAG  
CAAGCCAGCCAATAGAATGGGGTGATTTACAGGGATTTCTGTTTACTGTCAAAATATTTT  
TCATCTGCACTATGTTTCCATTTGTGGTCTGAAGGAAATTTTATAACTCAACATTTGT  
CTGGTCTTATAAGTAAAGACAGCTTTAAAATCAAAAAAAAAAAAAAAAAAAAAA

<b>5' Read Nucleotide Sequence:</b>	>OriGene 5' read for NM_006952 unedited NNNCCAGTTCAAATTTGTATACGACTCATATAGGCGGCCGCGNATTCGCCGGATATCGT CGACCCACGCGTCCGACCGTGTGCGCAGAAAGAGAGGCGCTTGCCTTCAGCTTGTGGAA ATCCCCAAGATGGCCAAAGACAACACTCAACTGTTTCGTTGCTTCCAGGGCCTGCTGATTTTT GGAAATGTGATTATTGGTTGTTGCGGCATTGCCCTGACTGCGGAGTGCATCTTCTTTGTA TCTGACCAACACAGCCTCTACCCACTGCTTGAAGCCACCGACAACGATGACATCTATGGG GCTGCCGTGGATCGGCATATTTGTGGGCATCTGCCTCTTCTGCCTGTCTGTTCTAGGCATT GTAGGCATCATGAAGTCCAGCAGGAAAATTCTTCTGGCGTATTTTATTCTGATGTTTATA GTATATGCCTTTGAAGTGGCATCTTGTATCACAGCAGCAACACAACGAGACTTTTTTACACA CCCAACCTCTTCTGAAGCAGATGCTAGAGAGGTACAAAACAACAGCCCTCAAACAAT GATGACCAAGTGGAAAAACAATGGAGTCACAAAACCTGGGACAGGCTCATGCTCCAGGAC AATTGCTGTGGCGTAAATGGTCCATCAGACTGGCAAAAATACACATCTGCCTTCCGGACT GAGAATAATGATGCTGACTATCCCTGGCCTCGTCAATGCTGTGTTATGAACAATCTTAA GAACCTCTCAACCTGGAGGCTTNTAACTAGGCGTGCCTGGTTTTTATCACAATCAGGGC TGCTATGAACTGATCTCTGGTCCATGAACCGACCGCTGGGGGGTTGCCTGGTTTGGATT TGCCATCTCTGCTGGACTTTTTGGGTCTTCTGTTACTGAGCAGAATTG AA
<b>Restriction Sites:</b>	Please inquire
<b>ACCN:</b>	NM_006952
<b>Insert Size:</b>	2032 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>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>	<a href="#">NM_006952.3</a> , <a href="#">NP_008883.2</a>
<b>RefSeq Size:</b>	2060 bp
<b>RefSeq ORF:</b>	783 bp
<b>Locus ID:</b>	7348
<b>UniProt ID:</b>	<a href="#">O75841</a>
<b>Cytogenetics:</b>	3q13.32
<b>Protein Families:</b>	Transmembrane

**Gene Summary:**

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 form a 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 use of alternate polyadenylation sites has been found for this gene. [provided by RefSeq, Jul 2008]