

Product datasheet for **SC303820**

Uroplakin II (UPK2) (NM_006760) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Uroplakin II (UPK2) (NM_006760) Human Untagged Clone
Tag:	Tag Free
Symbol:	Uroplakin II
Synonyms:	UP2; UPII
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene sequence for NM_006760 edited GCCCTTTGCCAGCACCTATTCCACCTCCCAGCCCAGCATGGCACCCCTGCTGCCCATCCG GACCTTGCCCTTGATCCTGATTCTGCTGGCTCTGCTGTCCCAGGGCTGCAGACTTCAA CATCTCAAGCCTCTCTGGTCTGCTGTCCCCGGCACTAACGGAGAGCCTGCTGGTTGCCTT GCCCCCTGTACCTCACAGGAGCAATGCCACACTGATGGTCCGGAGAGCCAATGACAG CAAAGTGGTGACGTCCAGCTTTGTGGTGCCTCCGTGCCGTGGGCGCAGGAACTGGTGAG TGTGGTGGACAGTGGTGTGGCTTACAGTCACTCGGCTCAGTGCATACCAGGTGACAAA CCTCGTGCCAGGAACCAATTCTACATTTCTACCTAGTGAAGAAGGGGACAGCCACTGA GTCCAGCAGAGAGATCCCAATGTCCACACTCCCTCGAAGGAACATGGAATCCATTGGGCT GGGTATGGCCCGCACAGGGGCATGGTGGTCATCACGGTGTCTCTGTGCGCCATGTT CCTGCTGGTGTGGGCTTTCATCATTGCCCTGGCACTGGGCTCCCAGCAAGTAAGGAGGTCT GCCCGGAGCAGCAGCTTCTCCAGGAAGCCAGGGCACCATCCAGCTCCCCAGCCACCTG CTCCCAGGCCCGAGCCCTGTGGCTCCCTTGGTGCCTCGCCTCCTCCTGCCCCTCCTC TCCCCTAGAGCCCTCTCCTCCCTGTCCCTCTCCTTGCCCCAGTGCCTCACCTTCCAA CACTCCATTATTCCTCTCACCCCACTCCTGTCA
Restriction Sites:	Please inquire
ACCN:	NM_006760
Insert Size:	800 bp



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OTI Disclaimer:	<p>Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.</p> <p>The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. More info</p>
OTI Annotation:	The ORF of this clone has been fully sequenced and found to be a perfect match to NM_006760.1.
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:	NM_006760.1 , NP_006751.1
RefSeq Size:	932 bp
RefSeq ORF:	555 bp
Locus ID:	7379
UniProt ID:	O00526
Cytogenetics:	11q23.3
Protein Families:	Transmembrane
Gene Summary:	<p>This gene encodes one of the proteins of the highly conserved urothelium-specific integral membrane proteins of the asymmetric unit membrane which forms urothelium apical plaques in mammals. The asymmetric unit membrane is believed to strengthen the urothelium by preventing cell rupture during bladder distention. The encoded protein is expressed in the peripheral blood of bladder cancer patients with transitional cell carcinomas. [provided by RefSeq, Sep 2009]</p>