

Product datasheet for RC210137

Uroplakin III (UPK3A) (NM_006953) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Uroplakin III (UPK3A) (NM_006953) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Uroplakin III
Synonyms:	UP3A; UPIII; UPIIIA; UPK3
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC210137 representing NM_006953 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGCCTCCGCTCTGGGCCCTGCTGGCCCTCGGCTGCCTGCGGTTTCGGCTCGGCTGTGAACCTGCAGCCCC
AACTGGCCAGTGTGACTTTCGCCACCAACAACCCACACTTACCACTGTGGCCTTGGAAAAGCCTCTCTG
CATGTTTGACAGCAAAGAGGCCCTCACTGGCACCCACGAGGTCTACCTGTATGTCCTGGTCGACTCAGCC
ATTTCCAGGAATGCCTCAGTGAAGACAGCACCAACACCCCACTGGGCTCAACGTTCTACAAACAGAGG
GTGGGAGGACAGGTCCCTACAAAGCTGTGGCCTTTGACCTGATCCCTGCAGTGACCTGCCAGCCTGGA
TGCCATTGGGGATGTGTCCAAGGCCTCACAGATCCTGAATGCCTACCTGGTCAGGGTGGGTGCCAACGGG
ACCTGCCTGTGGGATCCCAACTCCAGGGCCTCTGTAACGCACCCCTGTGGCAGCCACGGAGTACAGGT
TCAAGTATGTCCTGGTCAATATGTCACCGGGCTTGGTAGAGGACCAGACCCTGTGGTCAGACCCCATCCG
CACCAACCAGCTCACCCATACTCGACGATCGACACGTGGCCAGGCCGGCGGAGCGGAGGCATGATCGTC
ATCACTTCCATCCTGGGCTCCCTGCCCTTCTTTCTACTTGTGGGTTTTGCTGGCGCCATTGCCCTCAGCC
TCGTGGACATGGGGAGTTCTGATGGGAAACGACTCACGACTCCCAAATCACTCAGGAGGCTGTTCCCAA
GTCGCTGGGGCCTCGGAGTCTTCTACACGTCCGTGAACCGGGGCCCACTGGACAGGGCTGAGGTG
TATCCAGCAAGCTCCAAGAC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RC210137 representing NM_006953
Red=Cloning site Green=Tags(s)

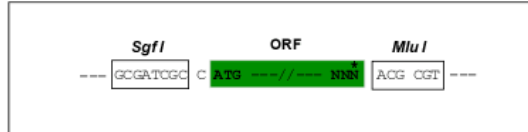
MPPLWALLALGCLRFGSAVNLPQLASVTFATNNPTLTTVALEKPLCMFDSKEALTGTHEVYLYVLVDSA
 ISRNASVQDSTNTPLGSTFLQTEGGRTGPYKAVAFDLIPCSLPSLDAIGDVSKASQILNAYLVRVGANG
 TCLWDPNFQGLCNAPLSAATEYRFKYVLNMSTGLVEDQTLWSDPIRTNQLTPYSTIDTWPGRRSGGMIV
 ITSILGSLPFFLLVGFAGAIALSLVDMGSSDGETTHDSQITQEAVPKSLGASESSYTSVNRGPPLDRAEV
 YSSKLQD

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: NM_006953

ORF Size: 861 bp

OTI Disclaimer: 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](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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:

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_006953.4](#)

RefSeq Size: 1056 bp

RefSeq ORF: 864 bp

Locus ID: 7380

UniProt ID: [O75631](#)

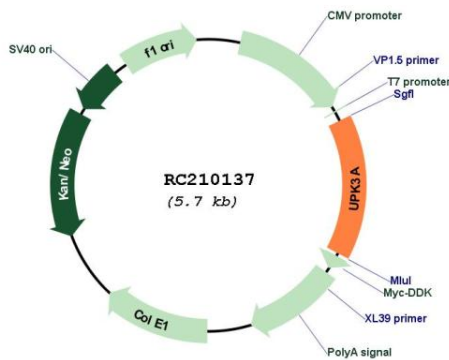
Cytogenetics: 22q13.31

Protein Families: Transmembrane

MW: 30.7 kDa

Gene Summary: This gene encodes a member of the uroplakin family, a group of transmembrane proteins that form complexes on the apical surface of the bladder epithelium. Mutations in this gene may be associated with renal adysplasia. Alternatively spliced transcript variants have been described.[provided by RefSeq, Nov 2009]

Product images:



Circular map for RC210137