

Product datasheet for **RG202571**

Uroplakin IIIB (UPK3B) (NM_030570) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Uroplakin IIIB (UPK3B) (NM_030570) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Uroplakin IIIB
Synonyms:	P35; UP3B; UPIIIB
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG202571 representing NM_030570 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGC**C

ATGGGGCTACCCTGGGGGAGCCTCACCTAGGGCTGCAGATGCTCCTCTGGCGTTGAACTGTCTCCGGC
 CCAGCCTGAGCCTGGGTGAGTGGGGTCTGGATGGACGCGTCCAGCCAGACCAAGGGGCTGGGGGCC
 TGCTGGAGTGATTGGACCCTGGGCGCCGCCCTCCGATTGGGAGAGGCAGCCCAAGGACCCACG
 CCCGTCTCCGTGGCTCACCTTTGTCCCCGTGGCCACAGAGCTGGTGCCTACACACCAGATAACAG
 CTTGGGACCTGGAAGGAAGGTACAGCCACCACCTTCTCCCTGGAGCAGCCGCGCTGTGTCTTCGATGG
 GCTTGCCAGCGCCAGCGATACCGTCTGGCTCGTGGTGGCCTTCAGCAATGCCTCCAGGGCTTCCAGAAC
 CCGGAGACACTGGCTGACATTCCGGCCTCCCCACAGCTGCTGACCGATGGCCACTACATGACGCTGCCCC
 TGTCTCCGGACCAGCTGCCCTGTGGCGACCCCATGGCGGGCAGCGGAGGCGCCCCGTGCTGCGGGTGGG
 CCATGACCACGGCTGCCACCAGCAGCCCTTCTGCAACGCGCCCCCTCCCTGGCCCTGGACCTATCGGAA
 GACCCCGGATCCATCGACACCTGGCCAGGGCGGCGAAGTGGCAGCATGATCGTATTACCTCCATCCTC
 TCTTCTTGGCCGGCCTCCTACTCTTGGCCTTCTTGGCAGCCTCTACCATGCGCTTCTCCAGCCTGTGGT
 GGCCGGAGGAGGCCCCGGAGCAGCTGCGGATCGGCTCCTTCATGGGCAAGCGCTACATGACCCACCACAT
 CCCACCCAGCAGGCGCCACACTGCCGTGGGCTGCAAGCCTGGCCTGGACCCCTCCACAGCCTCAGC
 CCCTAGCCTGGCCTCTTTCATGGGGCTGGGGGAGATGGGGCGCCGGAG

AG**CGGACCG**ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA


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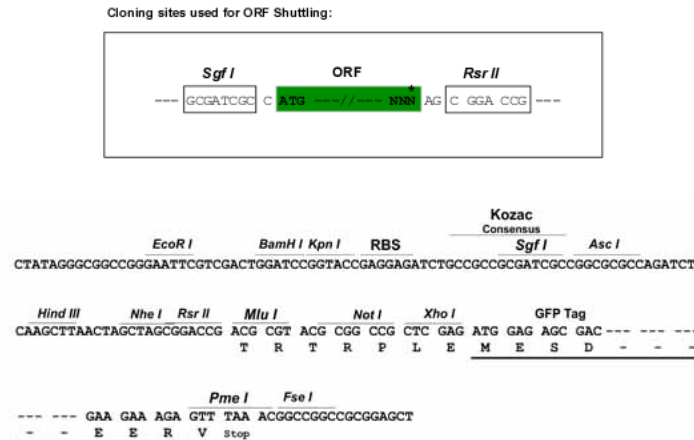
Protein Sequence: >RG202571 representing NM_030570
 Red=Cloning site Green=Tags(s)

MGLPWGQPHLGLQMLLLALNCLRPSLSLGEWGSWMDASSQTQGAGGPAGVIGPWAPAPLRLGEAAPGTPT
 PVSVAHLLSPVATELVPYTPQITAWDLEGKVTATTFSLQPRCVFDGLASASDTVWL VVAFSNASRGFQN
 PETLADIPASPQLLTDGHYMTLPLSPDQLPCGDPMAGSGGAPVLRVGHDHGCHQQPF CNAPLPGPGPYRE
 DPRIHRHLARAAKWQHDRHYLHPLFSGRPPTLGLLGSLYHALLQPVVAGGGPGAAADRL LHGQALHDP
 PPHTQQRHTAGGLQAWPGPPPQPQLAWPLCMGLGEMGRRE

SGPTRTRRLE – GFP Tag – V

Restriction Sites: SgfI-RsrII

Cloning Scheme:



ACCN: NM_030570

ORF Size: 960 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_030570.2](#), [NP_085047.1](#)

RefSeq Size: 1625 bp

RefSeq ORF: 963 bp

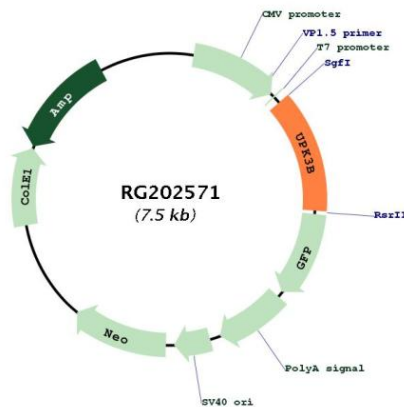
Locus ID: 105375355

UniProt ID: [Q9BT76](#)

Cytogenetics: 7q11.23

Gene Summary: UPK3B is a minor component of the apical plaques of mammalian urothelium that binds and dimerizes with uroplakin-1b (UPK1B; MIM 602380), one of the major conserved urothelium membrane proteins. The other major conserved integral membrane proteins of urothelial plaques are UPK1A (MIM 611557), UPK2 (MIM 611558), and UPK3A (MIM 611559) (Deng et al., 2002 [PubMed 12446744]).[supplied by OMIM, Mar 2008]

Product images:



Circular map for RG202571