

Product datasheet for **RG215056**

Uroplakin IIIB (UPK3B) (NM_182684) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Uroplakin IIIB (UPK3B) (NM_182684) 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:	>RG215056 representing NM_182684 Red=Cloning site Blue=ORF Green=Tags(s)

TTTGTAAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGGGCTACCCTGGGGGCAGCCTCACCTAGGGCTGCAGATGCTCCTCCTGGCGTTGAAGTGTCTCCGGC
CCAGCCTGAGCCTGGAGCTGGTGCCTACACACCACAGATAACAGCTTGGGACCTGGAAGGAAGGTCAC
AGCCACCACCTTCTCCCTGGAGCAGCCGCGCTGTGTCTTCGATGGGCTTGCCAGCGCCAGCGATACCGTC
TGGCTCGTGGTGGCCTTCAGCAATGCCTCCAGGGGCTTCCAGAACCCGGAGACTGGCTGACATTCCGG
CCTCCCCACAGCTGCTGACCGATGGCCACTACATGACGCTGCCCTGTCTCCGGACCAGCTGCCCTGTGG
CGACCCCATGGCGGGCAGCGGAGGCGCCCCGTGCTGCGGGTGGGCCATGACCACGGCTGCCACCAGCAG
CCCTTCTGCAACGCGCCCTCCCTGGCCCTGGACCCTATCGGGTGAAGTTCCTCCTGATGGACACCAAGG
GCTCACCCAGGGCTGAGACCAAGTGGTCAAGCCCATCACTCTCCACCAAGGAAGACCCCGGATCCAT
CGACACCTGGCCAGGGCGGCGAAGTGGCAGCATGATCGTCATTACCTCCATCCTCTCTTCTGGCCGGC
CTCCTACTCTTGGCCTTCTTGGCAGCCTTACCATGCGCTTCTCCAGCCTGTGGTGGCCGGAGGAGGCC
CGGAGCAGCTGCGGATCGGCTCCTTCATGGGCAAGCGCTACATGACCCACCACATCCACCCAGCGAGGC
CGCCACACTGCCGGTGGGCTGCAAGCCTGGCCTGGACCCCTCCCGAGCCTCAGCCCC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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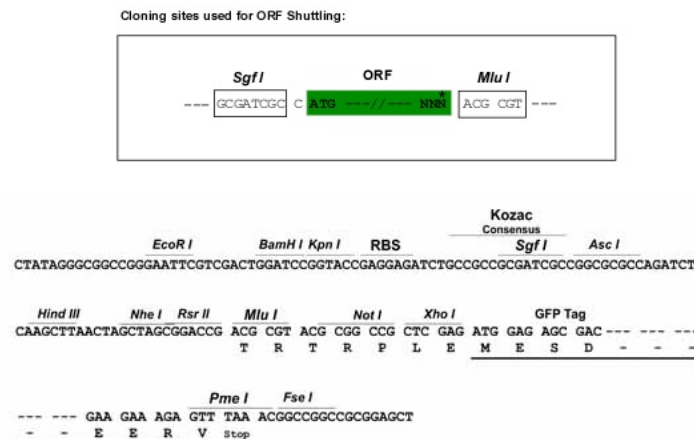
Protein Sequence: >RG215056 representing NM_182684
 Red=Cloning site Green=Tags(s)

MGLPWGQPHLGLQMLLLALNCLRPSSLLELVPTPQITAWDLEGKVTATTFSLQPRCVFDGLASASDTV
 WLVAFAFNASRGFQNPETLADIPASQLLTDGHYMTLPLSPDQLPCGDPMAGSGGAPVLRVGHGCHQQ
 PFCNAPLPGPGPYRVKFLMDTRGSPRAETKWSDFITLHQGKTPGSIDTWPGRSGSMIVITSILSSLAG
 LLLLAFLAASTMRFSSLWWPEEAPEQLRIGSFMGKRYMTHHIPPSEAATLPVGCKPGLDPLPSLSP

TRTRPLE – GFP Tag – V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_182684

ORF Size: 828 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_182684.1](#), [NP_872625.1](#)

RefSeq Size: 1540 bp

RefSeq ORF: 831 bp

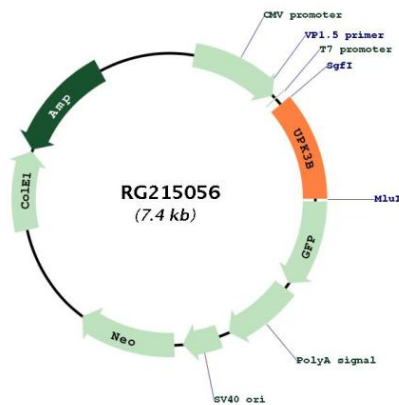
Locus ID: 105375355

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 RG215056