

Product datasheet for **SC307483**

Uroplakin IIIB (UPK3B) (NM_182684) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Uroplakin IIIB (UPK3B) (NM_182684) Human Untagged Clone
Tag:	Tag Free
Symbol:	Uroplakin IIIB
Synonyms:	P35; UP3B; UPIIIB
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC307483 representing NM_182684. Blue=Insert sequence Red=Cloning site Green=Tag(s)

GCTCGTTTAGTGAACCGTCAGAATTTGTAAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTG
 GATCCGGTACCGAGGAGATCTGCCGCC**CGATCGCC**
 ATGGGGCTACCTGGGGGCAGCCTCACCTAGGGCTGCAGATGCTCCTCTGGCATTGAACTGTCTCCGG
 CCCAGCCTGAGCCTGGAGCTGGTGCCCTACACACCACAGATAACAGCTTGGGACCTGGAAGGGAAGGTC
 ACAGCCACCACCTTCTCCTGGAGCAGCCGCGCTGTGTCTTCGATGGGCTTGCCAGCGCCAGCGATACC
 GTCTGGCTCGTGGTGGCCTTCAGCAATGCCTCCAGGGGCTTCAGAACCCGGAGACACTGGCTGACATT
 CCGGCCTCCCCACAGCTGCTGACCGATGGCCACTACATGACGCTGCCCTGTCTCCGGACCAGCTGCC
 TGTGGCGACCCCATGGCGGGCAGCGAGGCGCCCCGTGCTGCGGTGGGCCATGACCACGGCTGCCAC
 CAGCAGCCCTTCTGCAACGCGCCCTCCCTGGCCCTGGACCCTATCGGGTGAAGTTCTCTCTGATGGAC
 ACCAGGGGCTCACCCAGGGCTGAGACCAAGTGGTCAAGCCCATCACTCTCCACCAAGGGAAGACCCCC
 GGATCCATCGACACCTGGCCAGGGCGGCGAAGTGGCAGCATGATCGTCATTACCTCCATCTCTTCT
 CTGGCCGGCTCTACTTTGGCCTTCTTGGCAGCCTCTACCATGCGCTTCTCCAGCCTGTGGTGGCCG
 GAGGAGGCCCCGAGCAGCTGCGGATCGGCTCCTTCATGGGAAGCGCTACATGACCCACCACATCCCA
 CCCAGCGAGGCCGCCACACTGCCGTGGGCTGCAAGCCTGGCCTGGACCCCTCCCCAGCCTCAGCCCC
 TAG
 ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGAT
 TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC

Restriction Sites:	SgfI-MluI
ACCN:	NM_182684
Insert Size:	831 bp


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OTI Disclaimer:	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).
OTI Annotation:	This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
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:	<u>NM_182684.2</u>
RefSeq Size:	1542 bp
RefSeq ORF:	831 bp
Locus ID:	105375355
UniProt ID:	<u>Q9BT76</u>
Cytogenetics:	7q11.23
MW:	29.7 kDa
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] Transcript Variant: This variant (2) is alternatively spliced at the 5' end and contains an additional internal exon, which causes a frame-shift compared to variant 1. The resulting isoform (b) lacks a protein segment in the N-terminal region and has a distinct C-terminus compared to isoform a. This variant is annotated on the ALT_REF_LOCI_1 alternate haplotype of the GRCh38 human reference genome assembly.