

Specifications:

Gene:	hUPK1A
Accession:	NP_008931
Insert size:	789bp
Concentration:	10µg at 0.2µg/µL

hUroplakin 1A cDNA Plasmid

UPK1A uroplakin 1A [*Homo sapiens* (human)]

Also known as: UP1A; UPIA; UPKA; TSPAN21

Summary:

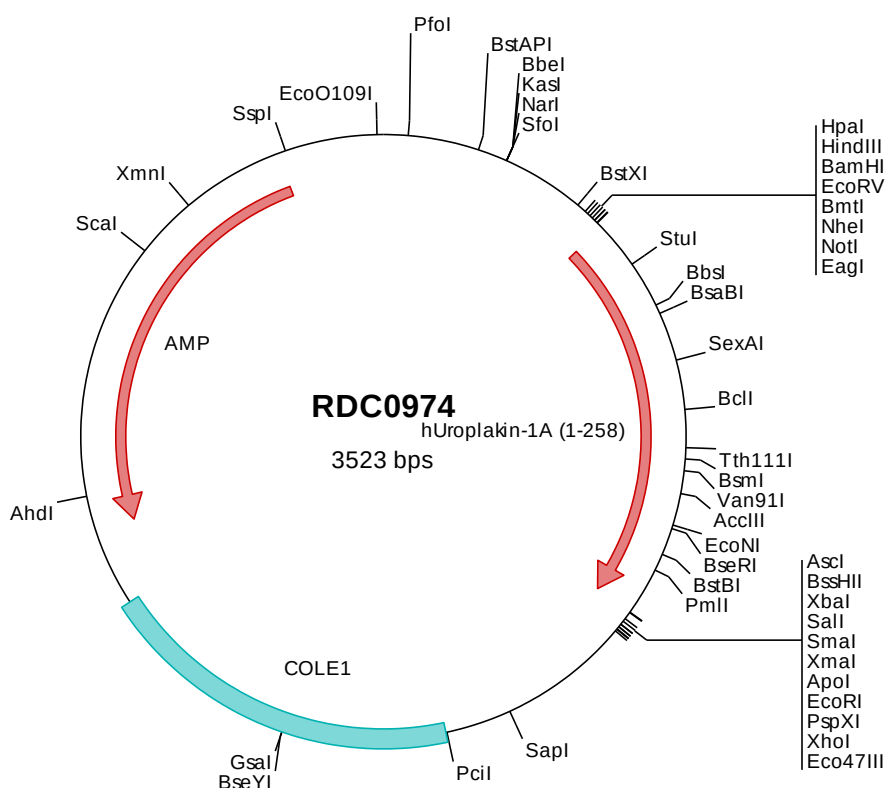
UPK1A is a member of the transmembrane 4 superfamily, also known as the tetraspanin family. Most of these members are cell-surface proteins that are characterized by the presence of four hydrophobic domains. UPK1A is found in the asymmetrical unit membrane (AUM) where it can form a complex with other transmembrane 4 superfamily proteins. It may play a role in normal bladder epithelial physiology, possibly in regulating membrane permeability of superficial umbrella cells or in stabilizing the apical membrane through AUM/cytoskeletal interactions. Alternatively spliced transcripts encoding different proteins have been described.

Description

This shuttle vector contains the complete ORF for the gene of interest, along with a Kozak consensus sequence for optimal translation initiation. It is inserted NotI to AscI. The gene insert is flanked with convenient multiple cloning sites which can be used to easily cut and transfer the gene cassette into your desired expression vector.

Preparation and Storage

Formulation	cDNA is provided in 10 mM Tris-Cl, pH 8.5
Shipping	Ships at ambient temperature
Stability	1 year from date of receipt when stored at -20°C to -80°C
Storage	Use a manual defrost freezer and avoid repeated freeze-thaw cycles.





> RDC0974 Plasmid DNA Sequence

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1   tcgcgcggtt cggatgatgac ggtgaaaacc tctgacacat gcagctcccg gagacggtca cagcttgtct gtaagcggat gccgggagca gacaagcccg
101  tcaggggcgc tcagcgggtg ttggcgggtg tccgggctgg cttactatg cggcatcaga gcagattgta ctgagagtgc accatatgcg gtgtgaaata
201  ccgcacagat gcgtaaggag aaaataccgc atcaggcgcc attcgccatt caggctgcgc aactgttggg aaggcgcatc ggtgcgggcc tcttcgctat
301  tacgccagct ggcgaaaggg ggaatgtctg caaggcgatt aagtgggta acgccagggt tttccagtc acgacgttgt aaaacgacgg ccagtgaatt
401  ggagacgtgt taacaagctt ggaaccgata tccgtagcgc ggcgcgccac atggcgctct cggcagcagc ggagggccag aagggatctc cagttgttgt
501  gggcctgcta gttgtgggca atatcattat tctgtgtgca ggcctgtccc tgtttgctga gacctatgg gtgacagcgg accagtacgg tgtataccca
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701  ccgcaactctg ccgcgcggcg tccatggtcc tcaactacgt ggtgtctcat ctcactgtct acatcttcca gtgcgcctcc tgcatacagt cctacaccca
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1301  ggtcatagct gtttctctgt tgaatttgtt atccgctcac aattccacac aacatacgag ccggaagcat aaagtgtaaa gcctgggggt cctaagtgtg
1401  gagctaaact acattaattg cgttgcgctc actgcccgtc ttccagtcgg gaaacctgtc gtgccagctg cattaatgaa tcggccaacg cgcggggaga
1501  ggcggtttgc gtattgggag cttctcgcgt tctctgctca ctgactcgct gcgctcggtc gttcggctgc ggcgagcgtt atcagctcac tcaaggcggg
1601  taatacgggt atccacagaa tcagggggata acgcaggaaa gaacatgtga gcaaaaggcc agcaaaaggc caggaaccgt aaaaaggccg cgttgcctgg
1701  gtttttccat aggcctccgc ccctgacga gcatcacaaa aatcgacgct caagtcagag gtggcgaaac ccgacaggac tataaagata ccaggcggtt
1801  cccctgga gctccctcgt gcgctctcct gttccgacct tgcgccttac cggatacctg tccgccttcc tcccttcggg aagcgtggcg ctttctcaat
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2201  gtactctctg atccggcaaa caaaccaccg ctggttagcg tggttttttt gtttgcaagc agcagattac gcgcagaaaa aaagatctc aagaagatcc
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2501  tctgtctatt tcttccatcc atagttgcct gactccccgt cgtgtagata actacgatac gggagggcct accatctggc cccagtgtct caatgatacc
2601  gcgagaccca cgtccacggg ctccagattt atcagcaata aaccagccag ccggaaggcc cagcgcgaga agtggctctg caactttatc cgctccatc
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3001  tctgtgactg gtgagtactc aaccaagtca tcttgagaat agtgtatgcg gcgaccgagt tgcctcttgc cggcgtcaat acgggataat accgcgccac
3101  atagcagaac tttaaaagtg ctcactattg gaaaacgttc tccggggcga aaactctcaa ggatcttacc gctgttgaga tccagttcga tgtaaccac
3201  tcgtgcaccc aactgatctt cagcatcttt tactttcacc agcgtttctg ggtgagcaaa aacaggaagg caaaatgccg caaaaaggg aataagggcg
3301  acacggaaat gttgaatact catactcttc ctttttcaat attattgaag catttatoag ggttattgtc tcatgagcgg atacataatt gaatgtattt
3401  agaaaaataa acaaataggg gttccgcgca catttccccg aaaagtgcga cctgacgtct aagaaacatc tattatcatg acattaacct ataaaaatag
3501  gcgtatcacg aggccttttc gtc
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> RDC0974 Translated Insert Sequence

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```