

Product datasheet for **MG224179**

Upk1a (NM_026815) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Upk1a (NM_026815) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Upk1a
Synonyms:	1110031P12Rik; AU019298; C87192; Tspan21; Upk1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG224179 representing NM_026815 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCTTCTGCAGCGACAGAGGGAGAGAAGGGTCTCCTGTGGTGGTGGGGCTGCTGGTCGTGGCAACA
TCATTATTTTGTGTGAGGCTGGCCCTGTTGCGGAGACAGTGTGGTAAACAGCTGACCAGTACCGCGT
GTACCCACTGATGGCGTCTCAGGCAAGGATGATGTCTTCGCTGGCGCCTGGATTGCCATCTTCTGCGG
TTCTCCTTCTTCGTCGTGGCCAGCTTTGGTGTAGGAGCTGCGCTCTGTCGTGTCGGTACATGATCCTCA
CGTACCTGCTGCTGATGCTCATGCTACATCTTCGAGTGTGCCCTCTGCATCACATCTACACCCACCG
CGACTATATGGTGTCCAACCCATCCCTGATAACCAAGCAAATGTTGACCTACTACAGTGCAGACACTGAC
CAGGGCCAGGAGCTAACCCGACTCTGGGACCGGATCATGATTGAGCAAGAGTGTTGTGGCACATCTGGCC
CCATGGACTGGGTGAATTACACATCAGCCTTCCGGGACAGCCACCCGGAAGTGGTGTCCCGTGGCCCC
ACTGTGCTGTGTCGGACAGGCAACTTCATCCCATCAATGAAGATGGCTGCCGAGTAGGCCACATGGAC
TACCTGTTTACCAAGGGTTGCTTCGAGCACATCGGCCATGCCATTGATAGCTACACGTGGGGCATATCGT
GGTTTGGCTTTGCCATCTTGATGTGGACCCTCCCTGTGATGTTGATAGCCATGTATTTCTACACCACTCT
C

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG224179 representing NM_026815
Red=Cloning site Green=Tags(s)

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MASAATEGEGKSPVVVGLLVVGNIIILL SGLALFAETVWVTADQYRVYPLMGVSGKDDVFAGAWIAIFCG
FSFFVVASFGVGAALCRRRYMILTYLLMLIVYIFECASCITSYTHRDMVSNPSLITKQMLTYYSADTD
QGQELTRLWDRIMIEQECCGTS GPMDWVNYTSAFRAATPEVVFPWPPLCCRRTGNFIPINEDGCRVGHMD
YLFTKGC FEHIGHAIDSYTWGISWFGFAILMWTLPVMLIAMFYFTTL
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TRTRPLE - GFP Tag - V

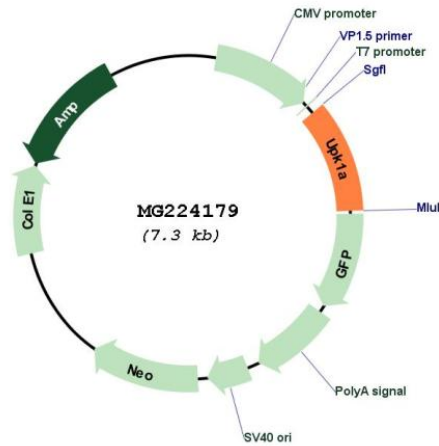
Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shutting:



Plasmid Map:



ACCN: NM_026815

ORF Size: 771 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:	<ol style="list-style-type: none">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_026815.2 , NP_081091.1
RefSeq Size:	1308 bp
RefSeq ORF:	774 bp
Locus ID:	109637
UniProt ID:	Q9D132
Cytogenetics:	7 18.78 cM
Gene Summary:	Component of the asymmetric unit membrane (AUM); a highly specialized biomembrane elaborated by terminally differentiated urothelial cells. May play an important 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 (By similarity).[UniProtKB/Swiss-Prot Function]