

Product datasheet for **RC203718**

URG4 (URGCP) (NM_001077664) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	URG4 (URGCP) (NM_001077664) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	URG4
Synonyms:	URG4
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>RC203718 representing NM_001077664
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGAAGGAGATGATTGCGAGTTCGGTTATGGAGATGGTACAAATGAGGCTCAGGACAATGATTTTCCAA
 CAGTGGAGAGAAGCAGGCTTCAAGAAATGCTGTCACTTTTGGCCCTAGAGACGTACCAGGTCCAGAAACT
 CAGCCTCCAGGACTCTCTGCAGATCAGTTTTGACAGTATGAAGAACTGGGCCCTCAGGTTCCCAAAGAC
 TTGCCCTGGAATTTCTCAGGAAGTTGCAGGCCCTCAATGCTGATGCCAGGAATACCACTATGGTCTGG
 ACGTGTCTCCAGACGCCAGGCTGTGGAGAAGGAGAGCCAGATGGAAGAGGAGATCATCTACTGGGACCC
 AGCTGATGACCTGTGCGGACATTTATCCTTTTCTGAGCTGCCACCCCTGATACGCCAGTGAACCC
 TTAGACCTTCTGTGCCCTGCTCTCCTCAGACAGTTTCTGCAACAAGAAATAGCGTTGAAAATGG
 CCCTCTGCCAGTTTGACTCCCCTCGTGTGCTGACTCGGAGAACCACTACCATACATTTCTGCTGTG
 GGCCATGCGGGGATTGTGAGGACATGGTGGTCCAGCCCCAAGGGGCATGGGGAGCTCCGGGAAGAC
 AGCGTGGTCTTGCCAGGGCGCCCGCTTCGCCTTCGTGCGCATGGACGTAGTAGCAACTCCAAGTCCC
 AGCTTCTCAACGCCGTCCTCAGCCCGGGCCACAGGCAGTGGGACTGCTTCTGGCATCGGGACCTCAACT
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 GACTTGGACATTTTCCAGAACCTGTGGCTTTCTGAACCTGAGAGGTGACATCGGGTCTCACTGGCTGC
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 CGCAACACAAACCTGAGATTTCTGAATAAGTTAATTCTGTGTGAAAATAGACCCTACATGCTCTGG
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 GAGGACTGTGAGGAGTGTGAGAAAGCGAAAGACCGGATGGAGAGGATTACCAGGAAAATCAAGACTCGG
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 GCCCTCCTTGAGTGAGAAGCAGTACTTCTGAGGTGGATGGAGTGGGCCTGGCACGGGTGGCCAGCC
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 GAGCCGCTCTGGCCTGAGCCCTAGGGGTGGAACACTTCTGCGGGAGATGGGACAGTTTTATGAGGCTG
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 GCTG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC203718 representing NM_001077664
 Red=Cloning site Green=Tags(s)

MEGDDCEFRYGDGTNEAQDNDFPTVERSRLQEMLSLGLLETYQVQKLSLQDSLQISFDSMKNWAPQVPKD
 LPWNFLRKLQALNADARNTTMVLDVLPDARPVEKESQMEEIIYWDPAADLAADIYSFSELPTDPTVNP
 LDLLCALLLSSDSFLQQEIALKMALCQFALPLVLPDSENHYHTFLLWAMRGIVRTWWSQPPRGMGSFRED
 SVVL SRAPAF AFVRMDVSSNSKSQLLNAVLSPGHRQWDCFWRDLNLGTNAREISDGLVEISWFFPSGRE
 DLDFPEPVAFNLRGDIGSHWLQFKLLTEISSAVFILTDNISKEYKLLYSMKESTTKYYFILSPYRGK
 RNTNLRFLNKLIPVLKIDHSHVLVKVSSDSDSFVKRIRAI VGNVLRAPCRRVSVEDMAHAARKLGLKVD
 EDCEECQKAKDRMERITRKIKSDAYRRDELRLQGDPWRKAAQVEKEFCQLQWAVDPPEKHRAELRRLL
 ELRMQNGHDPSSGVQEFISGISPSLSEKQYFLRWMEGLARVAQPRLRQPPETLLTLRPKHGGTTDVG
 EPLWPEPLGVEHFLREMGQFYEAECLVEAGRLPAGQRRFAHFPLASELLL TGLPLELIDGSTLSMPVR
 WVTGLLKELVRLERRSRLVVLSTVGVPGTGKSTLLNTMFLRFATGKSCGPRGAFMQLITVAEGFSQDL
 GCDHILVIDSGGLIGGALTSAGDRFELEASLATLLMGLSNVTVISLAETKDIPAAILHAFRLREKTHMP
 NYQFVYQNLHDVSVPGPRPRDKRQLLDPGDL SRAAAQMEKQGDGFRALAGLAFCDPEKQHIWHIPGLWH
 GAPPMAAVSLAYSEAI FELKRCLLENIRNGLSNQNKNIQQLIELVRRLL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

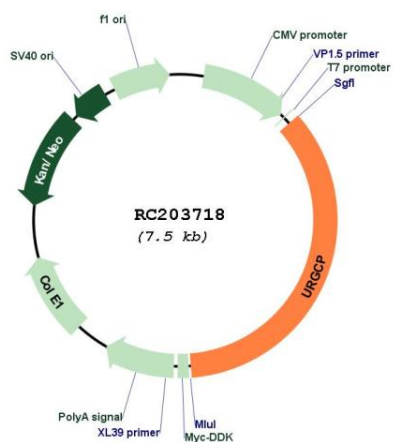
Cloning Scheme:



ACCN: NM_001077664

ORF Size:	2664 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.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	NM_001077664.2 , NP_001071132.1
RefSeq Size:	3835 bp
RefSeq ORF:	2667 bp
Locus ID:	55665
UniProt ID:	Q8TCY9
Cytogenetics:	7p13
MW:	100.4 kDa
Gene Summary:	URG4 is upregulated in the presence of hepatitis B virus (HBV)-encoded X antigen (HBxAg) and may contribute to the development of hepatocellular carcinoma by promoting hepatocellular growth and survival (Tufan et al., 2002 [PubMed 12082552]).[supplied by OMIM, Mar 2008]

Product images:



Circular map for RC203718