

Product datasheet for **RR200397**

Grn (NM_001145842) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Grn (NM_001145842) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Grn
Synonyms:	PGRN
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



[View online »](#)

ORF Nucleotide Sequence:

>RR200397 representing NM_001145842
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGCCTCCAGGGAGCGCGGACCCGACGCAGGCAGACCATGTGGATCCTGGTGAGCTGGCTGGCCTTAG
 TGGCAAGGCTGGTGGCTGGAACACAGTGCCAGATGGTCAATTCTGCCCTGTTGCCCTGCTGCCTTGACCA
 GGGAGGAGCCAACACTACAGCTGCTGTAACCTCTCTGGACACATGGCCTATAATAACGAGCCGTCGCTCA
 GATGGCTCCTGCCAGATCCGTGACCACTGCTCTGATGGCTACTCTGTCTTCTCACTGTGTCTGGGACTT
 CCAGCTGCTGCCGTTCTCTGAGGGTGTATCTTGATGATGGCCAGCACTGCTGCCCCGGGGCTTCCA
 CTGTAGTGTGGATGGAAATCCTGCTCTCAGATATCAGATAGCCTCTGGGTGCTGTCCAGTGTCTGGT
 AGCCAGTTCGAATGCTCTGACTCCGCCACCTGCTGTATTATGATTGATGGTTCTGGGGTGTGCCCA
 TGCCCCAGGCCTCTGCTGTGAAGACAGAGTGCATTGCTGTCCCACGGGGCCTCCTGTGACCTGGTTCA
 CACGCGATGCATTCACCCACGGGCACCCACCCCTTACTAAAGAAATCCCCGCACAAGGACCAACAGG
 GCAGTGGCTTTCCCTTTTCCGTGGTGTGCCCTGATGCTAAGACCCAGTGCCTGATGACTCTACCTGCT
 GTGAGCTACCCACTGGGAAGTATGGCTGTTGTCCAATGCCAACGCCATCTGCTGTTCCGACCACCTGCA
 CTGCTGCCCCAGGACTGTATGTGACCTGATCCAGAGCAAGTGCATATCCAAGGACTACACCACAGAT
 CTCATGACCAAGCTGCCTGGATACCCAGTGAATGAGGTGAAGTGCGACTTGGAGGTGAGCTGTCTGATG
 GCTACACCTGCTGCCGCTCAACACTGGGGCTGGGGCTGCTGTCCATTACCAAGGCTGTGTGTTGTGA
 AGACCACATTCAGTGTGCCAGCCGGGTTTCACTGTACACAGAGACAGGAACCTGTGAAGTGGGATG
 CTTCAAGTACCCTGGATGAAAAGGTACGGCCTCCCTCAGCCTGCCAGACCCACAGATCTTGAAGAATG
 ATGTCCCCTGTGATGACTTCAGTAGCTGCCTTCTAACAATACCTGCTGCAGACTCAGTTCTGGGACTG
 GGGCTGCTGTCCATCCCAGAGGCTGTGTGCTGTGAGGACCGGCAGCACTGTTGCCCGGCTGGGTACACC
 TGCAACGTGAAGGCGAGAACCTGTGAGAAGGATGCAGGCTCTGTCCAGCCTTCCATGGACCTGACCTTTG
 GCTCTAAGGTTGGGAATGTGGAATGTGGTGCAGGACATTTCTGCCATGATAACCAGTCTGTTGTAAGA
 CAGCCAAGGAGGCTGGGCTGCTGTCCCTATGTAAGGGTGTCTGCTGTAGAGATGGACGCTCACTGTTGT
 CCCATTGGCTTCCACTGTTCAAGCAAGGGAACCAAGTGTGCGGAAGAAGACCCCTCGTGCGGACATAC
 TTTTGAGGGATCCAGCCCAAGACCGCTACTG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RR200397 representing NM_001145842
 Red=Cloning site Green=Tags(s)

MPPRERGRRRQTMWILVSWLALVARLVAGTQCPDGGQFCPVACCLDQGGANYSCCNPLLDTWPIITSRRL
 DGSCQIRDHCPDGYSCLLTVSGTSSCCPFSEGVSCDDGQHCCPRGFHCSVDGKSCSQISDSSLGAVQCPG
 SQFECPSATCCIMIDGSWCCPMPQASCCEDRVHCCPHGASCDLVHTRCISPTGTHPLLLKFFPAQRNTR
 AVAFPFVVCDAKTQCPDDSTCCCLPTGKYGCCPMPNAICCSIDLHCCPQDQTVCDLIQSKCISKDYTTD
 LMTKLPGYVNEVKDLEVSCPDGYTCCRLNTGAWGCCPFKAVCCEDHIHCCPAGFQCHTETGTCELGV
 LQVPMKVTASLSLPPQILKNDVPCDDFSSCPSNNTCCRLSSGDWGCCPIPEAVCCEDRQHCCPAGYT
 CNVKARTCEKDAGSVQPSMDLTFGSKVGNVECGAGHFCHDNQSCCKDSQGGWACCPYVKGVCRRDRHCC
 PIGFHCSAKGTKLRKTPRWDILLRDPAPRPLL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

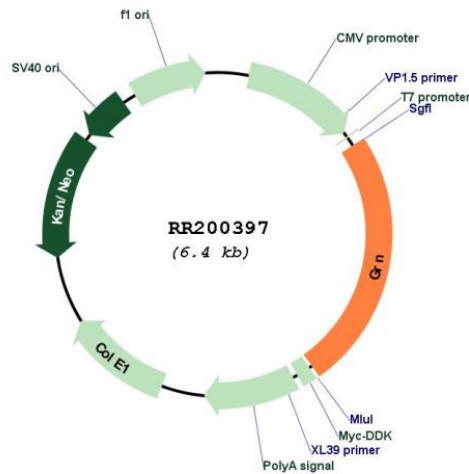
Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

Plasmid Map:



ACCN:	NM_001145842
ORF Size:	1572 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_001145842.1 , NP_001139314.1
RefSeq Size:	1956 bp
RefSeq ORF:	1575 bp
Locus ID:	29143
Cytogenetics:	10q32.1
MW:	56.6 kDa
Gene Summary:	plays a role in regulation of epithelial cell growth [RGD, Feb 2006]