

Product datasheet for **MG204733**

Rcn1 (NM_009037) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Rcn1 (NM_009037) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Rcn1
Synonyms:	Rcn
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG204733 representing NM_009037 Red=Cloning site Blue=ORF Green=Tags(s)

TTTGTAAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGC**C

ATGGCGCGCGGTGGCGCTTGGGACTCGCCCTGGGGCTGCTGCTGGCGCTGGTGTGGCGCTGCGGGCCA
 AGCCACGGTGCACAAGGAGCGCGTGGTTCGGCCGGACTCAGAGCTGGGCGAGCGCCGCCGAGGACAA
 CCAGAGCTTCCAGTACGATCATGAGGCCTTCTGGGCAAGGAGGACTCCAAGACCTTCGATCAGCTAAGC
 CCGGACGAGAGCAAGGAGAGGCTGGGAAAATTGTGGATCGAATTGACAGTGATGGTGTGGCCTTGTTA
 CTACTGAGGAGCTGAACTTTGGATCAAACGGGTACAGAAAAGATACATCTATGATAATGTCGCTAAAGT
 CTGGAAGGATTATGATAGGGACAAAGACGAAAAGATCTCCTGGGAAGAATACAAGCAGGCCACCTATGGC
 TACTACCTGGGAAACCCCGCTGAATTCATGATAGTTCTGATCACCACACCTTTAAAAAGATGCTGCCAC
 GAGATGAGAGGAGGTTTAAGGCTTCAGACCTTGACGGCGACCTGACAGCTACTCGGGAGGAGTTCCTGCT
 CTTTCTGCACCCAGAGGAGTTTGAACATATGAAGGAGATTGTAGTCCTGGAAACCTGGAGGACATCGAC
 AAGAACGGGGATGGTTTTGTGGACCAGGATGAGTACATCGCGGACATGTTTTCCACGAGGACAATGGCC
 CTGAGCCAGACTGGGTTTTGTCTGAACGGGAGCAGTTCAACGACTTCCGAGATCTGAACAAGGATGGGAA
 GCTGGACAAGGATGAGATTCGCCACTGGATCCTCCCTCAGGACTACGACCATGCGCAGGCCGAGGCCCGG
 CATCTGGTGTACGAGTCAGACAAAAACAAGGACGAGATGCTGACCAAGGAGGAGATTCTGGACAACCTGGA
 ACATGTTTGTGGGAAGCCAAGCTACCAACTACGGGAAGACCTGACCAAAAATCATGATGAACCT

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA


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Protein Sequence: >MG204733 representing NM_009037
 Red=Cloning site Green=Tags(s)

MARGGRLGLALGLLLALVLALRAKPTVRKERVVRPDSELGERPPEDNQSFQYDHEAFLGKEDSKTFDQLS
 PDESKERLGGKIVDRIDSDGDLVTTEELKLWIKRVQKRYIYDNVAKVWKDYDRDKDEKISWEEKQATYG
 YYLGNPAEFHSDHHTFKKMLPRDERRFKASDLGDGLTATREEFTAFHPEEFHEHMKIIVVLETLEDID
 KNGDGFVDQDEYIADMFSHEDNGPEPDWVLSEREQFNDFRDLNKGDKLKDDEIRHWILPQDYDHAQAEAR
 HLVEESDKNKDEMLTKEEILDNWNMFVGSQATNYGEDLTKNHDEL

TRTRPLE – GFP Tag – V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_009037

ORF Size: 975 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:

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_009037.2](#), [NP_033063.1](#)

RefSeq Size: 3063 bp

RefSeq ORF: 978 bp

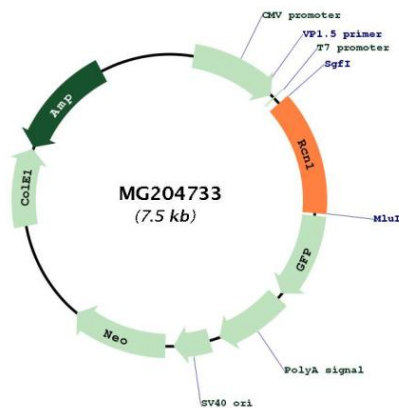
Locus ID: 19672

UniProt ID: [Q05186](#)

Cytogenetics: 2 55.18 cM

Gene Summary: May regulate calcium-dependent activities in the endoplasmic reticulum lumen or post-ER compartment.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MG204733