

Product datasheet for MR203122

Rnf182 (NM_183204) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Rnf182 (NM_183204) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Rnf182
Synonyms:	C630023L15Rik
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR203122 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCCGATCGCC

ATGGCCAGCCAGCCGCTGGAAGAGCCTGCGGAGTCTCAGGCCTCGGATGAGCTCGAGTGAAGATCTGTT
ACAATCGGTACAACCTGAAGCAGAGGAAGCCCAAGTTCTGGAGTGTGTCACAGGGTCTGCGCCAAATG
CCTCTACAAGATCATAGACTTTGGGGACTCTCCCAGGGGTATCGTCTGTCCCTTCTGCAGGTTTGAG
ACCTGTCTGCCGGATGACGAAGTCAGCAGCCTGCCGATGACAACAACATCCTTGTAACCTTGACCTGTG
GGGCAAAGGGAAGAAATGCCTGCCTGAGAACCCCACTGAGCTGTTGCTCACTCCAAGAGGCTGGCTTC
CCTTGTCAGCCCTTCCCACAGTCTCTAATTGCTTGGTTATCACCATCATGGAGGTGCAGAGAGAGAGC
TCTCCATCACTCAGCTCCACCCCGTGGTAGAATTCTACAGGCCAGCCAGTTTCGACTCTGTCAACCACCG
TGTCCATAACTGGACGGTGTGGAAGTGCACCTCCTTGCTCTTTCAGACGTCCATCCGGGTGTTAGTGTG
GCTGCTAGGTTTGTGTACTTCAGCTCCTTGCCCTTAGGGATCTACTTACTGGTGTCTAAGAAAGTCACC
CTGGGGTGGTCTTCGTTAGCCTTGTCCCCTTAGCCTTGTATCCTGATGGTGTATGGTTTTGCCAAT
CGTTTTGCATGAATTTCTAGACTGTATGGCACTTCTTCT

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >MR203122 protein sequence
 Red=Cloning site Green=Tags(s)

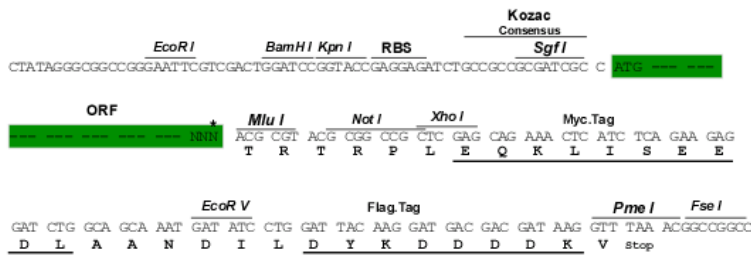
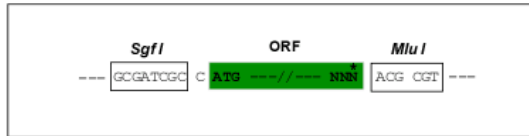
MASQPLEEPAESQASDELECKICYNRYNLKQRKPKVLECCHRVC AKLYKIIDFGDSPQGVIVCPFCRFE
 TCLPDDEVSSLPDDNNILVNLTCGGKGGKCLPENPTLLLLTPKRLASLVSPSHTSSNCLVITIMEVQRES
 SPSLSSTPVVEFYRPASFDSVTTVSHNWTVMNCTSLLFQTSIRVLVWLLGLLYFSSSLPLGIYLLVSKKVT
 LGVVFVSLVPSLVILMVYGFQCVCHEFLDCMALPS

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: NM_183204

ORF Size: 744 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.

RefSeq: [NM_183204.4](#), [NP_899027.1](#)

RefSeq Size: 3456 bp

RefSeq ORF: 744 bp

Locus ID: 328234

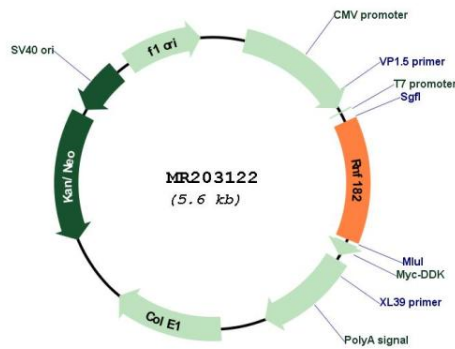
UniProt ID: [Q8C432](#)

Cytogenetics: 13 A4

MW: 27.4 kDa

Gene Summary: E3 ubiquitin-protein ligase that mediates the ubiquitination of ATP6V0C and targets it to degradation via the ubiquitin-proteasome pathway.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR203122