

Product datasheet for MR201808

Rnf183 (NM_153504) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Rnf183 (NM_153504) Mouse Tagged ORF Clone
Tag: Myc-DDK
Symbol: Rnf183
Synonyms: 5830442J12Rik
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >MR201808 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGAGCGAACCACAGGGCCAGGAGCTCAGAGCCGAGTGCCTGTCTGCTGGAACCCTTTCAACAACACAT
 TCCACACCCCCAAAGTGCTAGACTGCTGCTACTCCTTCTGTGTGGAATGCCTGGCCACCTCAGCCTGGT
 AACCCAGCCAGGCGCCGCTTGTCTGCCACTCTGTCGTCAGCCACCGTGTGGCTTCAGGGCAGCCA
 GTCAGTACTGCTACAGACTGCCATGCTGACCTGCTCCGCTAGAGCCCCACCATGTCATCCTAG
 AGGGCCACCAGCTCTGTCTCAAGGACCAGCCCAAGAGCCGCTACTTCTCGTCCAGCCTCGGGTCTACAC
 CCTGGACCTTGGCGCTGAGCCTGGGAGCCAGACTGGGCTCCCTCAGGACACAGCCCTGACACCAGGCCG
 GTGCCATCCCCAGTCACTACTCTCAGAGAGTGTGTCCGAACCCCTCACTTCCGGATCTTCGCCTATC
 TGATGGCTGTCATCCTCAGTGTACCCTGCTCATCTTCTCCATCTTTGGACTAAGCAGTCTTTTG
 GGCATGGGG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR201808 protein sequence
 Red=Cloning site Green=Tags(s)

MSEPQQQELRAECPVCWNPFNHTPKVLDCCHSFCVECLAHL SLVTPARRRLLCPLCRQPTVLASGQP
 VTDLPDTAML TLLRLEPHHVILEGHQLCLKDQPKSRYFLRQPRVYTLDLGAEPGSQTGLPQDTAPDTRP
 VP I PSHYSLRECVRNPHFRIFAYLMAVILSVTL L L I F S I F W T K Q F F W G M G

TRTRPLEQKLISEEDLAANDILDYKDDDDKV



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Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_153504

ORF Size: 573 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_153504.4](#)

RefSeq Size: 1404 bp

RefSeq ORF: 573 bp

Locus ID: 76072

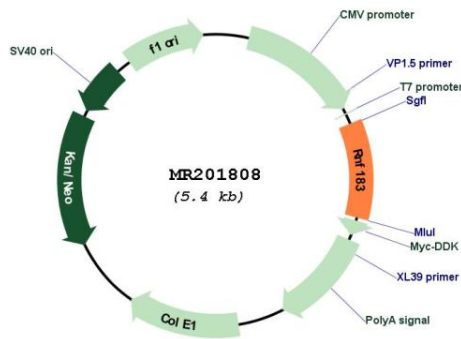
UniProt ID: [Q8QZS5](#)

Cytogenetics: 4 B3

MW: 21.6 kDa

Gene Summary: Acts as a E3 ubiquitin ligase catalyzing the covalent attachment of ubiquitin moieties onto substrate proteins (PubMed:29300766). Triggers apoptosis in response to prolonged ER stress by mediating the polyubiquitination and subsequent proteasomal degradation of BCL2L1 (By similarity). May collaborate with FATE1 to restrain BIK protein levels thus regulating apoptotic signaling (By similarity).[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR201808