

Product datasheet for **MR222484**

Rnf180 (NM_027934) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Rnf180 (NM_027934) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Rnf180
Synonyms:	3110001E11Rik; Rines
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>MR222484 representing NM_027934
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGC**C

ATGAAAGAAGCGAAGAGTCGACAAGTACGCAGAGCCCCGAGGAGCAAACAGGCACCCCTTCATTGTTGGA
 GATGTAGAAAATGCATTGCAAGTTCTGGTTGCTTCATGACTCCTTTGAGACTCAAGTGGTTGAGCAGGA
 CAGACATGAATCAGTTGATGCTCAAAACACCTGTACCTGTGGCAGATGAATGTAGACGCCCTTCGGAG
 TGGATCAGCTGCTTGCTGCAGAAGGCCAGTGGACAGTTGGGAACTGAATTGTCCTTTCTGTGGGGCCC
 GATTAGGGGGCTTAATTTTGTGAGCACTCCAAAATGTTCTGTGGCCAGCTTGACAGCTGTACATCTCTG
 CAAGAGCCGACTGATCACAAGCAGCACAGGGAGGGAGACTAATGAGACCAGCGCTGAAACATTGCCA
 CATCCCGAGTCCCGTCAGGTTGTGATAAGGAACTCTGCTGACAGGTGGTGGCTCCAAACCAGAAACC
 ACTGGCTTTTAAGCATGGCCGAAACAGTAACGGCCTCGGAAGACTTACAGAAGCACTCTGCCTGGAGGT
 GCGAGCGACGTATTTGAGATGAAGAATGAAAACTGCTCTTCAAAGCCTCGGACCCAAAATGCCAGCCT
 TTTGTTCTCAGCTGACACCGGAGGTGCTCTTCAAGAGCGTCTCACAGAAAGTACACAGTTTGGACC
 TGAACATCAGTGAGAAGCTGATTTATTACCCACTTTATATGAAATACATCGTAAGCCTACTGCCTATCC
 CAGGCTAAATGAAACGGGGCCATTGACCTTTCAGGCTTGGCTTACCGTGTAGTAACAGTAGCTGCTCC
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 CACTCCCTGCCACTGTGCCGACAATTATTTCTAGAGTCTTCTCCAGACAGAACTGAACAATGCCACA
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 CCTTGGCAGCTGCAGGAAAGGATTCCATCTCTCGGAGGGAAGCCAGCACAAGACTCAAGCCGTGCAG
 GATCTTGATACAGGAATGAGATACGAGGCCATGGAGGGTGTGCTTACTGACCTGCTCGCATGGATGG
 CGCGCTCAGCCTGCTTTCTATCCCACTCAGGACACTGCCTGGG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR222484 representing NM_027934
 Red=Cloning site Green=Tags(s)

MRKSEESTSTQSPEEQTLHCWRCRKCIASSGCFMTPLETQVVEQDRHESVDAQNTCHLWHMNVDALE
 WISCLLQKAQWTVGKLNCPFCGARLGGFNFVSTPKCSCGQLAAVHLCKSRTDHQAAQGGRLMRPALKHLP
 HPGVPSGCDKETLLTGGGSKTRNHLLSMARNSNGLGRLTEALCLEVRATYFEMKNEKLLFKASDPKCQP
 FVPQPDTRCPSRASHRSHSLDLNISEKLILLPTLYEIHRRKPTAYPRLNETGPIDLGLALPCSNSSCS
 FQSPPSFDPNMLLHRLSVAPHETQAQRGRECCGLEASSVYSDHANANSLPFLMDLPSAGRSVLEASDQE
 EHLSQLDFLRSAFPLGTINHRLNNRERSKLRLRRQRRERWLQKQKYSVGLLDHMTVSNEMSTDEE
 TEFPEEKDSYMCVCLDVYFNPYMCYPCHHIFCEPCLRTLAKDNPASTPCPLCRTIISRVLQTELNNAT
 KTFFTKYLIKQSFQKSSSAKWPLPSCRKGFHLFGGKPAQRLKPCRILDTGMRYEAMEGCCLLTCSHG
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TRTRPLE**QKLISEEDLA**ANDILDYKDDDDKV

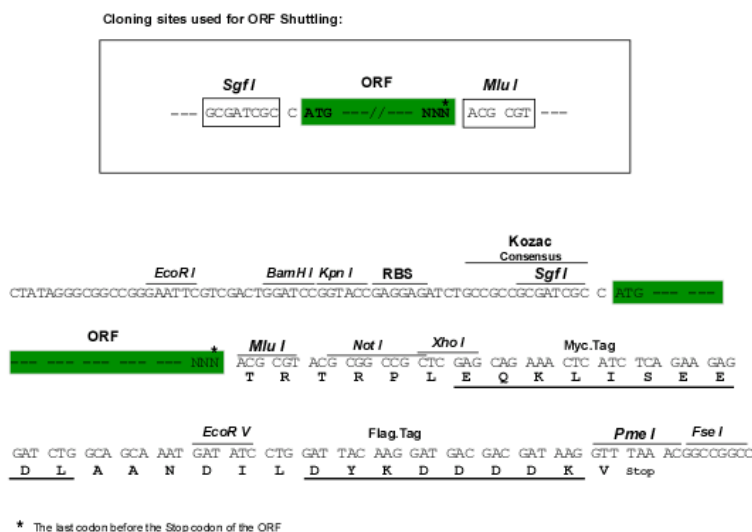
Chromatograms:

https://cdn.origene.com/chromatograms/mm9029_h03.zip

Restriction Sites:

Sgfl-MluI

Cloning Scheme:



ACCN: NM 027934

ORF Size: 1725 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_027934.2](#), [NP_082210.1](#)

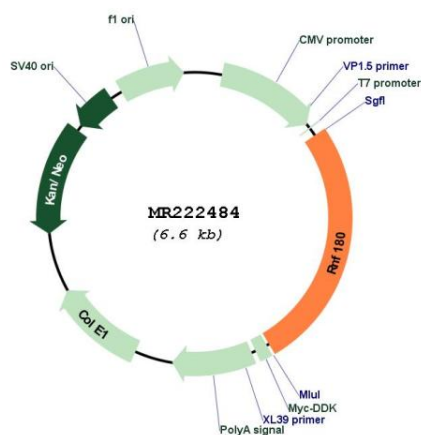
RefSeq Size: 3785 bp

RefSeq ORF: 1728 bp

Locus ID: 71816

UniProt ID: Q3U827
Cytogenetics: 13 D1
MW: 65 kDa
Gene Summary: E3 ubiquitin-protein ligase which promotes polyubiquitination and degradation by the proteasome pathway of ZIC2.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR222484