

Product datasheet for MR218021

Rnf149 (NM_001033135) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Rnf149 (NM_001033135) Mouse Tagged ORF Clone
Tag: Myc-DDK
Symbol: Rnf149
Synonyms: 1600023E10Rik; AV037261; C76763; Gm15832; Greul4; OTTMUSG00000026591
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >MR218021 representing NM_001033135
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGCGGCGGGCGGGCCCGGGCGGGCGTGGGAGCCCGGGACGCACTCGGGTCTGGCGCTGGCCT
 TGTGTACTCCCGGGTGGGCGGGGGCGCTCGAGTGGTACTCGGCCATGGTGGAGCATCGAATACGTGGA
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 GAGAGGACGGCCTGGTGGCGTCCCGCGCGCCCGCGCCCGGGAGGGCTGCGCGCCGACACCGCT
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 GGACAAGGTGCTGGCGGGCGCGGAGGAACGCCCTCGGCCGTGGTGGTCTACAACCTGGAGAGCAACGGG
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 GACGGGAAATTTTGTCTGGTGCAAAAGGAATTCAGTAAAAATGCGGATAGAGATTGGTACTCGTCA
 TATGCAGGAGTTCATCAGCGGTGAGTGTGGTGTGGTGGCCATCGCCTTCATCACCATGATGATCATC
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 ATCATAGGAAGGAGACTAAGAAGTTATTGGCCAGCTCCCTCTACACACTGTGAAGCATGGCGAGAAGGG
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ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCTGGATT
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Protein Sequence: >MR218021 representing NM_001033135
Red=Cloning site Green=Tags(s)

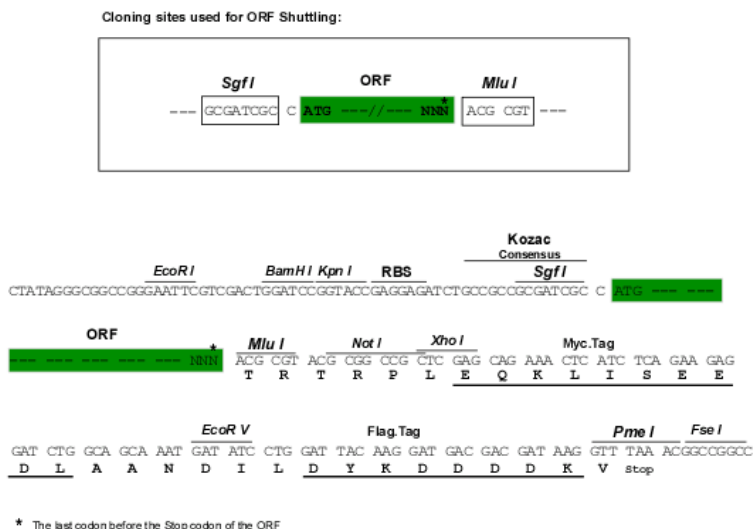
MAARRRPAAGVGARDALAVLALALCTPGVGGGALEWYSAMVSIIEYVDPQSNLTVWSVSESGRFGESSLRE
 ERQGLVGVPRAPAPAEGCAPDTRFVAPGALGNAPWVALVARGGCTFKDKVLAARRNASAVVVYNLESNG
 NATEPMSHAGTGNIVVIMISYPKGREIFDLVQKGIPVKMRIEIGTRHMQEFISGQSVFVAIAFITMMII
 SLAWLIFYIQRFLYTGSGFSGQNHKRETKKVIQQLPLHTVKHGEKGIDVDAENCAVCIENFKVKDVIRI
 LPCKHIFHRICIDPWLLDHRTCPMKLDVIKALGYWGDPEDTQELPTPEAAPGRVSVGNLSVTSQDEERS
 ESNLPSSSSSESGPHRCLKEDAGEDTALLGAGRSEPQHGGISIC

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mm9018_g05.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001033135

ORF Size: 1182 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_001033135.3](#), [NP_001028307.2](#)

RefSeq Size: 2440 bp

RefSeq ORF: 1185 bp

Locus ID: 67702

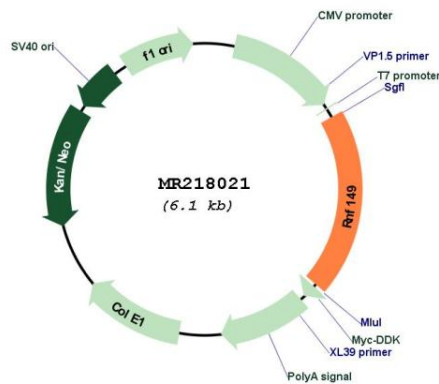
UniProt ID: [Q3U2C5](#)

Cytogenetics: 1 B

MW: 43 kDa

Gene Summary: E3 ubiquitin-protein ligase. Ubiquitinates BRAF, inducing its proteasomal degradation. [UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR218021