

## Product datasheet for **MG218021**

### Rnf149 (NM\_001033135) Mouse Tagged ORF Clone

#### Product data:

|                           |  |
|---------------------------|--|
| Product Type:             | Expression Plasmids  |
| Product Name:             | Rnf149 (NM_001033135) Mouse Tagged ORF Clone                                   |
| Tag:                      | TurboGFP   |
| Symbol:                   | Rnf149   |
| Synonyms:                 | 1600023E10Rik; AV037261; C76763; Gm15832; Greul4; OTTMUSG00000026591           |
| Mammalian Cell Selection: | Neomycin   |
| Vector:                   | pCMV6-AC-GFP (PS100010)  |
| E. coli Selection:        | Ampicillin (100 ug/mL)   |
| ORF Nucleotide Sequence:  | >MG218021 representing NM_001033135<br>Red=Cloning site Blue=ORF Green=Tags(s) |

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGCGGCGCGGCGGCCCGCGGCCGGCGTGGGAGCCCGGACGCACTCGCGGTGCTGGCGCTGGCCT  
TGTGTACTCCCGGGTGGCGCGGGCGCTCGAGTGGTACTCGGCCATGGTGGAGCATCGAATACGTGGA  
CCCGCAGTCGAACCTGACGGTGTGGAGCGTGTGGAGAGCGGCCGCTTCGGAGAAAGCTCGCTCCGGGAG  
GAGAGGCAGGGCCTGGTGGCGTCCCGCGCGCCCGCGCCCGCGGAGGGCTGCGCGCCGACACCGCT  
TCGTGGCGCCCGGCCCTCGGCAACCGCCCTGGGTGGCGCTGGTGGCGGAGGCGGCTGCACCTCAA  
GGACAAGGTGCTGGCGGCGCGGAGGAACGCCCTCGGCCGTGGTGGTCTACAACCTGGAGAGCAACGGG  
AACGCCACCGAGCCCATGTCTCACGCGGGAACAGGAAACATAGTCGTATTATGATTAGCTACCCAAAAG  
GACGGGAAATTTTGTCTGGTGCAAAAGGAATTCAGTAAAAATGCGGATAGAGATTGGTACTCGTCA  
TATGCAGGAGTTCATCAGCGGTCACTGTGGTGTGGTGGCCATCGCCTTCATCACCATGATGATCATC  
TCATTAGCATGGCTGATTTCTATTATACAGCGCTTCTGTATACTGGCTCACAGTTTGGAAATCAGA  
ATCATAGGAAGGAGACTAAGAAGTTATTGGCCAGCTCCCTCTACACACTGTGAAGCATGGCGAGAAGGG  
AATTGATGTCGATGCTGAGAATTGTGCAGTGTGATTGAAAATTTAAAGTCAAAGATGTTATCAGAATC  
CTGCCATGCAAGCATATTTTTCATAGAATATGCATTGACCATGGCTTTTGGATCACCGAACGTGTCCAA  
TGTGAAAATTTGATGTCATCAAAGCCCTGGGATATTGGGGGACCTGAGGATACCGAGGAGTACCCAC  
CCCAGAAGCTGCCCGAGGAAGGTTTCTGTTGGGAATCTGAGTGTGACATCCCAAGATGAGGAGAGGAGT  
GAAAGCAACCTTCCATCATCTTCTCGAGCGAGTCTGGCCACACCGCCCTGTCTTAAAGAAGATGCAG  
GGGAGGACACAGCATTACTAGGAGCCGGCAGGAGTGGCCTCAGCATGGAGGATCCATATGC

**ACCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG218021 representing NM\_001033135  
 Red=Cloning site Green=Tags(s)

MAARRRPAAGVGARDALAVLALALCTPGVGGGALEWYSAMVSIIEYVDPQSNLTVWSVSESGRFGESSLRE  
 ERQGLVGVPRAPAPAEGCAPDTRFVAPGALGNAPWVALVARGGCTFKDKVLAARRNASAVVVYNLESNG  
 NATEPMSHAGTGNIVVIMISYPKGREIFDLVQKGI PVKMRIEIGTRHMQEFISGQSVFVAIAFITMMII  
 SLAWLIFYIQRFLYTGSQFGSQNHRKETKKVIGQLPLHTVKHGEKIDVDAENCAVCIENFKVKDVIRI  
 LPCKHIFHRICIDPWLLDHRTCPMCKLDVIKALGYWGPEDTQELPTPEAAPGRVSVGNLSVTSQDEERS  
 ESNLPSSSSSESGPHRCLKEDAGEDTALLGAGRSEPQHGGISIC

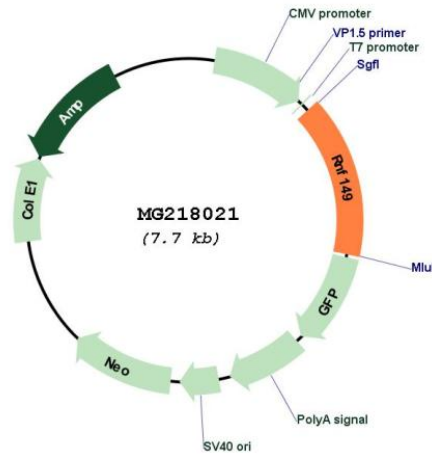
TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM\_001033135

|                               |   |
|-------------------------------|---|
| <b>ORF Size:</b>              | 1182 bp   |
| <b>OTI Disclaimer:</b>        | 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. <a href="#">More info</a>  |
| <b>OTI Annotation:</b>        | This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.  |
| <b>Components:</b>            | 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).  |
| <b>Reconstitution Method:</b> | <ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol> |
| <b>RefSeq:</b>                | <a href="#">NM_001033135.3</a> , <a href="#">NP_001028307.2</a>   |
| <b>RefSeq Size:</b>           | 2440 bp   |
| <b>RefSeq ORF:</b>            | 1185 bp   |
| <b>Locus ID:</b>              | 67702   |
| <b>UniProt ID:</b>            | <a href="#">Q3U2C5</a>  |
| <b>Cytogenetics:</b>          | 1 B   |
| <b>Gene Summary:</b>          | E3 ubiquitin-protein ligase. Ubiquitinates BRAF, inducing its proteasomal degradation. [UniProtKB/Swiss-Prot Function]  |