

Product datasheet for **MG214589**

Rnf148 (NM_027754) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	TurboGFP
Symbol:	Rnf148
Synonyms:	4933432M07Rik; Greul3
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)

ORF Nucleotide Sequence: >MG214589 representing NM_027754
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGTTACTTTGTGTTTCATGCCTATCAGTTAATGGAGAAATGAACCCACTTGGACCTACTCCTTCAGTTC
ATAGGTCTGTTTCATTTTGGCTGTTGAGACTTAGCGTCTTCTACTGCTTAGCCTCCGTGACTCCAAAGG
AAAAGCAATATGGACTGCTCATCTGAATATTACATTCAGGTGGGAAACCGGATCATATCAGAGCTAGGA
GAGAGTGGAGTGTGGGAATCACTCTCCTCTGGAAAGGGTGTCTGGTCCCGTGGTACTTCTCCTGAAGGAT
GGAATCAGAATGCTTGCAGTCCGCTGACCAACTTCAGCAGGCCCGATCAGACAGACACTTGGCTGGCCCT
CATCGAAAGGGGAGGCTGCACTTTCACTCATAAAATCAACCTGGCAGCGGAGAAGGGAGCAAACGGGGTG
ATCATCTATAACTATCCGGGTACAGGCAACAAGGTGTTCCCATGTCTCACCAGGGAACAGAGAATATAG
TTGCAGTGATGATTGGCAACCTCAAGGGCATGGAGCTTTCGACTTGATCCAGCAAGGTGTCTATGTGAC
GATCATCATTGAAGTGGGAGAAATGCATATGCCGTGGCTCAGCCACTATGTTATGTCTCTATTTACCTTC
CTGGCAGCCACCGTCACCTACCTTTTCTATACTGTGCCTGGAGACCCCGAGTGTCCAATTTCTTACCA
GGAGGCAAAGGCAGCTAAAGGCCGATGTGAAGAAAGCTATTGGCCAGCTGCAACTTCGAGTGCTCCAGGA
CGGAGATAAGGAGTTAGACCCGAATGAAGACAGCTGCGTGGTTTGTGTTTACATGTACAAAGCCCAAGAT
GTAATACGTATTTAACTTGAACATTTCTTCCACAAGACTTGCATCGATCCCTGGCTTTTAGCACATA
GGACATGCCCATGTGCAAGTGTGACATCTGAAACCT

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



Protein Sequence: >MG214589 representing NM_027754
 Red=Cloning site Green=Tags(s)

MLLCVSVCLSVNGEMNPLGPTPSVHRSVSFWLLRLSVFLLLSLRDSKGKAIWTAHLNITFQVGNRIISELG
 ESGVFGNHSPLE RVSGAVVLP EGWNQAC SPLTNFSRPDQTDWLALIERGGCTFTHKINLAAEKANGV
 I IYNYPGTGNKVFPMHQGTENIVAVMIGNLKGME LLHLIQQGVYVTIIIEVGRMHMPWLSHYVMSLFTF
 LAATVTYLFLYCAWRPRVSNSSSTRRQRQLKADVKKAI GQLQLRVLQDGDKELDPNEDSCVVCDFMYKAQD
 VIRILTCKHFFHKTCIDPWLLAHRTCPMCKCDILKP

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



ACCN: NM_027754

ORF Size: 948 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_027754.1](#), [NP_082030.1](#)

RefSeq Size: 1242 bp

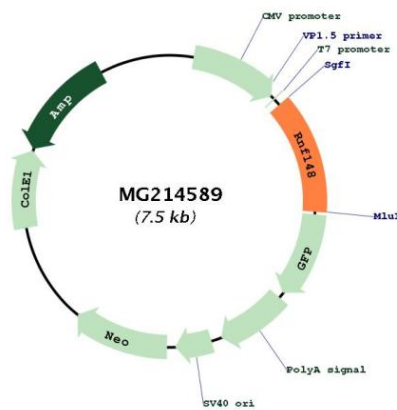
RefSeq ORF: 951 bp

Locus ID: 71300

UniProt ID: [G3X9R7](#)

Cytogenetics: 6 A3.1

Product images:



Circular map for MG214589