

## Product datasheet for **MG207454**

### Frmd8 (NM\_026169) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Frmd8 (NM_026169) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Frmd8
Synonyms:	1200004M23Rik; 2310035N23Rik; 4931429L16Rik; AU018809
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



[View online »](#)

**ORF Nucleotide Sequence:**

>MG207454 representing NM\_026169  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**GCGATCGCC**

ATGGAGGGGGCAGAAGGCAACGCGGGGAGCCCGGCCCTGCGGAGCGGTCCCACCAAGTAGCGTCTCTT  
 CAGTGGGTGCCGAGCAGCCGATGTCTGGTGTACCTGGCGGATGATACAGTAGTCCCCCTGGCCGTGGA  
 GAATTTGTCTCAATCAGTGCCCATGAGCTGCACCGCGCAGTCCGTGAAGTCTGACGCTCCAGACGTG  
 GCTTTGGAGGCCTTTGCACTCTGGCTCGTCTCCCTCTCTTGGAGGTGCAATTGAAACCAAGCACCAGC  
 CCTATAAACTGGGCCGCCAGTGGCCGAGCTGCTGCTGCGCTTACCAGCCTCCGATGATGATGTCGC  
 CATGGATGAGCCTTCCCTCAGTCCGAAGGAATGTTTTTTTCCCAAGGCGCCGAGAGCTCCAGATCCAT  
 GATGAGGAGGTCTTGGCGTCTATGAGGAAGCAAGGCAATGTGCTGACCGCTCGGTACCCTTG  
 ACTTGGAGGACTGCGAGGTGCTGGTGGCCTTGTGTGCCGTGTGACGCTTGGGCCCTACCAGCCTGGCCA  
 GCCTGCCGCTGCACTCTGAGAGAGAAGCTGGACTCCTTCTCCCTGCCACCTCTGCAAGCGAGGGCAT  
 GGCTCTTTGCTGCCTTCCGGGGCGTGGGGCCAAAGACTGGGCCAGGTGAGCAAGGCCTGCTGAATGCCT  
 ACCGCCAGGTAAGGAAGTGACAGGCAACAACAGTGAACGTGAGGCCACCTTGGGCTCCCACTACCGCGC  
 ATACCTCTCAAGTGCCACGAGCTGCCCTTCTACGGGTGTGCCTTCTCCATGGCGAGGTTGACAAGCCA  
 GCCCAGGCTTCTTGCAATCGAGGTGGCGCAAACCAAGTACTGTGGCCATCAGTCTGGAGGGTGTGCACG  
 TCATCGACAACAGGGAGAAGCATGTGCTGCTGGCCTGCGCTTTCAGGAGCTGTCGTGGGATCACACTTC  
 CCCTGAGGAGGAAGACCTGTCTGTGGCTGGAGTTCGATGGTGACAGTGAGGGCACGCCTGTCAACAAG  
 CTGCTAAGGATCTACTCAAGCAGGCTGAGCTGATGAGCGCCTCATTGAGTACTGCATTGAGCTGAGCC  
 AGGCTCCGAGCCTACTTTTCCAGGAGAGTGCATCCGGCCCTCACGAAGCTCCAGCCCCTCCACC  
 TCCACCCAGCGCCCAAGCTGCCAAGGCAGGGTACGCTGGTGTGTAGCCGATTAGCATCTCTTACC  
 ATTGACTATGTGGAAGACGGCAAGGGGATCAAGCGGGTGAACCAAGCGAACCCTCCTTCTTACGCC  
 GACAGCTCTCTCCAGCCAGGGAAGCTACACCGTGGTGCAGCCACCGATGACAGCCTGGAGCAGAGC

**ACGCGT**ACGCGGCCGCTCGAG – GFP Tag – GTTTAA

**Protein Sequence:**

>MG207454 representing NM\_026169  
 Red=Cloning site Green=Tags(s)

MEGAEGNAGQPGPAERSHRSSVSSVGARAADVLYLADDTVVPLAVENLSSISAHELHRAVREVLQLPDV  
 ALEAFALWLVSPLEEVQLKPKHQPYKLGRQWPELLLRFTDASDDDVAMDEPSLQFRRNVFFPRRRELQIH  
 DEEVLRLLYEEAKGNVLTARYPCDLEDCEVLGGLVCRVQLGPYQPGQPAACTLREKLDLSFLPAHLCKRGH  
 GLFAAFRGRGAKTGPGEQLLNAYRQVKEVTGNNSEAREATLGSYRAYLLKHELPHYGCAFFHGEVDKP  
 AQGFLHRGGRKPVTVVAISLEGVHVIDNREKVVLLGLRFQELSWDHTSPEEEEPVLWLEFDGDSEGTPVNK  
 LLRIYSKQAEMLMSGLIEYCIELSQAAPPTLSQESASGPHEAPSPSPPTQRPKLRRQGSVVCVSRIQHLST  
 IDYVEDGKGIKRVKPKRTTSFFSRQLSSSQGSYTVVQPTDDSLEQS

**TRTRPLE** – GFP Tag – V

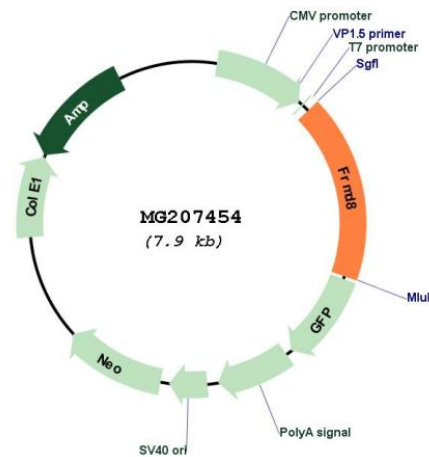
**Restriction Sites:**

Sgfl-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM\_026169

ORF Size: 3163 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.

<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_026169.3</a>
<b>RefSeq Size:</b>	3169 bp
<b>RefSeq ORF:</b>	1401 bp
<b>Locus ID:</b>	67457
<b>UniProt ID:</b>	<a href="#">Q3U FK8</a>
<b>Cytogenetics:</b>	19 A
<b>Gene Summary:</b>	Promotes the cell surface stability of iRhom1/RHBDF1 and iRhom2/RHBDF2 and prevents their degradation via the endolysosomal pathway (PubMed:29897333). By acting on iRhoms, involved in ADAM17-mediated shedding of TNF, amphiregulin/AREG, HBEGF and TGFA from the cell surface (By similarity). Negatively regulates Wnt signaling, possibly by antagonizing the recruitment of AXIN1 to LRP6 (By similarity).[UniProtKB/Swiss-Prot Function]