

## Product datasheet for **MG208717**

### **BC063749 (BC063749) Mouse Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	BC063749 (BC063749) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	BC063749
Synonyms:	4833424O12Rik; DANGER; mKIAA1754
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



[View online »](#)

**ORF Nucleotide Sequence:**

>MG208717 representing BC063749  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGGCCATGGAACCTTCCGGTCTGTCTGGTCTGGTGACAGCCATCATTAACCACCTCTGCTGTTC  
 CACGGGAGAATGCCACGATTCGCCGAGAACGAGGAAGAGATCATACGCAAGATGCAGGAGCACCAGGAGAA  
 GCTGCGCCTGGAGCAGCTACGCCTGGAGAGGAGGTGTACGTCTGGAGGCCGAGAAGGAGGCTCTGCGG  
 CAGGTGGAGGAGGAGCAGCAGCAGCTAGAGGCCACACCGCCTGGGACCTCTGGACCACACTCTGCATGG  
 TCCTCTTCTGATCATCGAGGTGTTGCGACAGAACCATCAGGAGGGCACCTTCCCGGAGTGCCTGGGTGG  
 AGACGAGGACGAGCTGTCGGGACTAGGGGGCACGCTGCTGCAGGGCCTTCCCTGCCAATAGGGCCACC  
 CTGGACCCTTCTACGAGCACTGTATCCGGAGCACCACGGGGGATGCCACCCGACCCAGGAGTTTGTGG  
 AAGTTTTCGTGGATGATCTGCTGGAAGCCCTGAGGAGCACCTACAACGGGAAAACCGACATGGAATTGGA  
 GGACTTCATCGGCGTGGGAGCATGTATGAGAAGTGGCAAGTGGAGAGGCCACTACGGTGCCACTTGTTT  
 ATACCTTCATACCCCCAGAGTTCTGGTCTCCAGCCTTCAACGCCCTGGAACGTGAGGGCTATGGCC  
 AGATCAAGGTGACGCTGGCTGACGGGAACCTCTAGGCTGTGTCTGCGGAAGGCTAAGCTTGAGGAGGA  
 TATGTTGTGTCTCTACGGCAAGAATAGAGGGGCGTGGCCAGCAGTCCCGGTGCGGTGAGATGGAG  
 GGCTTGCTGTGTTCCAGAGATCCTCTATCTCGATGTCATGCAGGTGATGAAGTGGTTTCAGATGGCCC  
 TCACCAGAGCGTGGCACCACGATCGCCACAAGTATGAGTTGACCTTGCCTTGGAGAGCTGGACACCCC  
 AGGGTCTCTCAAATCAAGTCCGCTCGGGGAAGTCCATGCCTTTCATCTTGACTCCTGTGATCCAGTGT  
 AATGACTCAGACCTGACTTCACTTACAACCTCCAAGGAGCCCTGTGGGGAGGCCAGCCTCCAGCG  
 CACTGGCTCCTGTCTTGTCTATGAGCGAGAGTTCCTCGGATGACAGGCAAGCTTTCGCGGA  
 GGGTGCCTGCCACCTGAGCTGTTTGCAGATCGCCTCCTTCTTGCTCCAAGCAGACCCGCTGACGGGT  
 CCCAGTGGGTGAGTGACTACCACCTAAAGACTGCCCTGCTGCATCTCCTGCTGTCCCGGACGGCTCTG  
 ACTGGAAGGCCAGCAAGCTGGATGTACGCCTGCAGGACCTTCTGCTTCTGGAGAGGAGCCTGCTGGA  
 GAAGAACTCTATCACTTCTTATGGGCAACCACAAGGTGCCTGAGGCTCTGGGTCTCCAGAGGTTGTG  
 CGCAGAGCCGAGCCTCTCAATCTTCCGGCCCTTCGCTTGCAGCGGACTCTTACCAGAACACAGTGG  
 ACTCCTTCTATGAAATGCTTAAGAACGCCCGGCGCTCATTAGCGAGTATCCCTCCATGTCCTTCAGT  
 TCGTGCCAGCCCACCACAAAAGCTGTCGTCTCG

**ACGCGTACGCGGCCGCTCGAG** - GFP Tag - GTTTAA

**Protein Sequence:**

>MG208717 representing BC063749  
 Red=Cloning site Green=Tags(s)

MAMELFRVCLVVVTAIINHPLLFPRENATIPENEEIIRKMQEHQEKLRLEQLRLEEEVSRLEAEKEALR  
 QVEEEQQLAHTAWDLWTTLCMVLFLIEVLRQNHQEGTFPECLGGDEDEL.SLGGTLLQGLPLPNRAT  
 LDHFEYHCIRSTTGATRTQEFVEGFVDDLLEALRSTYNGKTDMELEDFIGVGSMYENWQVERPLRCHLF  
 IPFIPPEFWCSSLSTPLERQGYGQIKVTLADGNPLGCVCGKAKLEEDMLCLLYGKNRGAWPSSAGCGEME  
 GLLCSRESSYLDVMQVMKWFQMALTRAWHRIAHKYFDLAFGELDTPGSLKIKFRSGKSMPIILTPVIQC  
 NDSDLYFILQLPKEPCGGGPASSAHWLLSFAVYEREFRLRMTGKALPEGACHLSCLQIASFLLSKQRTL  
 TGPSGLSDYHLKTAALLHLLLSRQASDWKASKLDVRLQDLFCFLERSLLEKKLYHFFMGNHKVPALGLPEV  
 RRAEPLNLFRRPFVLRQLYRNTVDSFYEMLNAPALISEYSLHVPVSVRASPPPKAVVS

**TRTRPLE** - GFP Tag - V

**Restriction Sites:**

Sgfl-MluI

**Cloning Scheme:**


**ACCN:** BC063749

**ORF Size:** 1646 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:** [BC063749](#), [AAH63749](#)

**RefSeq Size:** 3850 bp

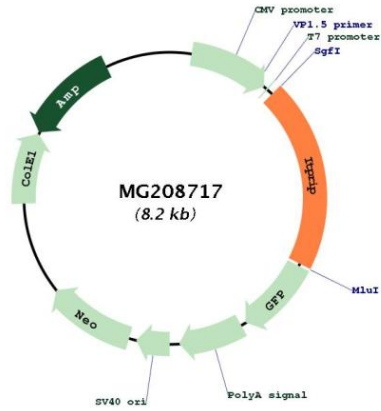
**RefSeq ORF:** 1646 bp

**Locus ID:** 414801

**Cytogenetics:** 19 D1

**Gene Summary:**

Enhances Ca(2+)-mediated inhibition of inositol 1,4,5-triphosphate receptor (ITPR) Ca(2+) release.[UniProtKB/Swiss-Prot Function]

**Product images:**


Circular map for MG208717