

Product datasheet for **MR208717**

BC063749 (BC063749) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	BC063749 (BC063749) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	BC063749
Synonyms:	4833424O12Rik; DANGER; mKIAA1754
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>MR208717 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGCCATGGAACCTTCCGGTCTGTCTGGTCTGGTGACAGCCATCATTAACCACCTCTGCTGTCC
 CACGGGAGAATGCCACGATTCGCGAGAACGAGGAGAGATCATACGCAAGATGCAGGAGCACCAGGAGAA
 GCTGCGCCTGGAGCAGCTACGCCTGGAGAGGAGGTGTCACGTCTGGAGGCCGAGAGGAGGCTCTGCGG
 CAGGTGGAGGAGGAGCAGCAGCAGCTAGAGGCCACACCGCCTGGGACCTCTGGACCACACTCTGCATGG
 TCCTCTTCTGATCATCGAGGTGTTGCGACAGAACCATCAGGAGGGCACCTTCCCGGAGTGCCTGGGTGG
 AGACGAGGACGAGCTGTCGGGACTAGGGGGCACGCTGCTGCAGGGCCTTCCCTGCCAATAGGGCCACC
 CTGGACCCTTCTACGAGCACTGTATCCGGAGCACCACGGGGATGCCACCCGACCCAGGAGTTTGTGG
 AAGTTTTCTGGATGATCTGCTGGAAGCCCTGAGGAGCACCTACAACGGGAAAACCGACATGGAATTGGA
 GGACTTATCGGGCTGGGAGCATGTATGAGAAGTGGCAAGTGGAGAGGCCACTACGGTCCACTTGT
 ATACCTTCATACCCCCAGAGTTCTGGTCTCCAGCCTTCAACGCCCTGGAACGTGAGGGCTATGGCC
 AGATCAAGGTGACGCTGGCTGACGGGAACCTCTAGGCTGTGTCTGCGGCAAGGCTAAGCTTGGAGGGA
 TATGTTGTGTCTCTACGGCAAGAATAGAGGGGCGTGGCCAGCAGTCCCGGTGCGGTGAGATGGAG
 GGCTTGCTGTGTTCCAGAGAGTCTCTATCTCGATGTCATGCAGGTCATGAAGTGGTTTTCAGATGGCC
 TCACCAGAGCGTGGCACCACGATCGCCACAAGTATGAGTTGACCTTGCCTTGGAGAGCTGGACACCC
 AGGGTCTCTCAAATCAAGTCCGCTCGGGGAAGTCCATGCCTTTCATCTTGACTCCTGTGATCCAGTGT
 AATGACTCAGACCTGTACTTCACTTACAACCTCCAAGGAGCCCTGTGGGGAGGCCAGCCTCCAGCG
 CTCACTGGCTCCTGTCTTGTCTATGAGCGAGAGTTCCTCCGGATGACAGGCAAGGCTTGGCCGGA
 GGGTGCCTGCCACCTGAGCTGTTTGCAGATCGCCTCCTTCTTGTCTCCAAGCAGACCCGCTGACGGGT
 CCCAGTGGCTGAGTGACTACCACCTAAAGACTGCCCTGCTGCATCTCCTGCTGTCCCGGACGGCTCTG
 ACTGGAAGGCCAGCAAGCTGGATGTACGCCTGCAGGACCTTCTGCTTCTGGAGAGGAGCCTGCTGGA
 GAAGAACTCTATCACTTCTTATGGGCAACCACAAGGTGCCTGAGGCTCTGGGTCTCCAGAGGTTGTG
 CGCAGAGCCGAGCCTCTCAATCTTCCGGCCCTTCGCTTGCAGCGGACTCTTACCAGAACACAGTGG
 ACTCCTTCTATGAAATGCTTAAGAACGCCCGGCGCTCATTAGCGAGTATCCCTCCATGTCCTTCACT
 TCGTGCCAGCCACCACAAAAGCTGTCGTCTCG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR208717 protein sequence
 Red=Cloning site Green=Tags(s)

MAMELFRVCLVVVTAIINHPLLPRENATIPENEEIIRKMQEHQEKLRLEQLRLEEEVSRLEAEKEALR
 QVEEQQLAHTAWDLWTTLCMVLFLIIEVLRQNHQEGTFPECLGGDEDEL SGLGGTLLQGLPLPNRAT
 LDH FYEHCIRSTTG DATRTQEFVEGFVDDLLEALRSTYNGKTDMELEDFIGVGS MYENWQVERPLRCHLF
 IPFIPPEFWCSSLSTPLERQYGQIKVTLADGNPLGCVCGKAKLEEDMLCLLYGKNRGAWPSSAGCGEME
 GLLCSRESSYLDVMQVMKWFQMALTRAWHRIAHKYFDLAFGELDTPGSLKIKFRSGKSMPIILTPVIQC
 NDSLYFILQLPKEPCGGGPASSAHWLLSFVYEREF LRMTGKALPEGACHLSCLQIASFLLSKQTRLTG
 PSGLSDYHLK TALLHLLSRQASDWKASKLDVRLQDLFCFLERSLLEKLYHFFMGNHKVPEALGLPEV
 RRAEPLNLF RPFVLRQRTLYRNTVDSFYEMLKNAPALISEYSLHVPSVRASPPPKAVVS

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

Cloning Scheme:


ACCN: BC063749

ORF Size: 1644 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

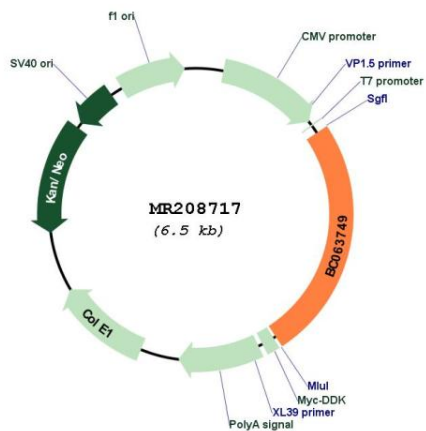
Locus ID: 414801

Cytogenetics: 19 D1

MW: 62.4 kDa

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 MR208717