

## Product datasheet for **MC219035**

### **Itrip (NM\_001001738) Mouse Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Itrip (NM_001001738) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Itrip
Synonyms:	4833424O12Rik; DANGER; mKIAA1754
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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**Fully Sequenced ORF:** >MC219035 representing NM\_001001738  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGGCCATGGAACCTTCCGGTCTGTCTGGTCTGGTGACAGCCATCATTAACCACCCTCTGCTGTTC  
 CACGGGAGAATGCCACGATTCCCGAGAACGAGGAAGAGATCATACGCAAGATGCAGGAGCACCAGGAGAA  
 GCTGCGCCTGGAGCAGCTACGCCTGGAGGAGGAGGTGTCACGTCTGGAGGCCGAGAAAGGAGGCTCTGCGG  
 CAGGTGGAGGAGGAGCAGCAGCAGCTAGAGGCCACACCGCCTGGGACCTCTGGACCACACTCTGCATGG  
 TCCTCTTCTGATCATCGAGGTGTTGCGACAGAACCATCAGGAGGGCACCTTCCCGGAGTGCCTGGGTGG  
 AGACGAGGACGAGCTGTCGGACTAGGGGGCACGCTGCTGCAGGGCCTTCCCTGCCAATAGGGCCACC  
 CTGGACCCTTCTACGAGCACTGTATCCGGAGCACCACGGGGGATGCCACCCGACCCAGGAGTTTGTGG  
 AAGTTTTCGTGGATGATCTGCTGGAAGCCCTGAGGAGCACCTACAACGGGAAAACCGACATGGAATTGGA  
 GGACTTCATCGGCGTGGCAGCATGTATGAGAAGTGGCAAGTGGAGAGGCCACTACGGTCCACTTGT  
 ATACCTTCATACCCCCAGAGCCCTACAGCTTCCACCCAGAGTTCTGGTCTCCAGCCTTCAACGCCCC  
 TGGAACGTCAGGGCTATGGCCAGATCAAGGTGACGCTGGCTGACGGGAACCCCTTAGGCTGTGTCTGCGG  
 CAAGGCTAAGCTTGAGGAGGATATGTTGTGTCTCTACGGCAAGAATAGAGGGGCGTGGCCAGCAGT  
 GCCGGGTGCGGTGAGATGGAGGGCTTGCTGTGTCCAGAGAGTCTCCTATCTCGATGTCATGCAGGTCA  
 TGAAGTGGTTTCAGATGGCCCTCACCAGAGCGTGGCACCAGCATCGCCACAAGTATGAGTTTGACCTTGC  
 CTTTGGAGAGCTGGACACCCAGGGTCTCTCAAATCAAGTCCGCTCGGGGAAGTCCATGCCTTTCATC  
 TTGACTCCTGTGATCCAGTGAATGACTCAGACCTGTACTTCACTTACAACCTCCAAGGAGCCCTGTG  
 GGGGAGGCCAGCCTCCAGCGCTCACTGGCTCCTGTCTTGTCTATGAGCGAGAGTTCCTCCGGAT  
 GACAGGCAAGGCTTTGCCGGAGGGTGCCTGCCACCTGAGCTGTTTGCAGATCGCCTCCTTCTTGCTCTCC  
 AAGCAGACCCGCTGACGGGTCCAGTGGGCTGAGTGACTACCACCTAAAGACTGCCCTGCTGCATCTCC  
 TGCTGTCCCGCAGGCCTCTGACTGGAAGGCCAGCAAGCTGGATGTACGCCTGCAGGACCTCTTCTGCTT  
 CCTGGAGAGGAGCCTGCTGGAGAAGAACTCTACTTCTTTCATGGGCAACCACAAGGTGCCTGAGGCT  
 CTGGGTCTCCAGAGTTGTGCGCAGAGCCGAGCCTCTCAATCTTCCGGCCCTTCGTCTGCAGCGGA  
 CTCTTTACCGAACACAGTGGACTCCTTCTATGAAATGCTTAAGAACGCCCGCGCTCATTAGCGAGTA  
 TTCCTCCATGTCCCTCAGTTCGTGCCAGCCACCACAAAAGCTGTCGTCTCG**TAA**

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** Sgfl-Mlul

**ACCN:** NM\_001001738

**Insert Size:** 1668 bp

**OTI Disclaimer:** Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

**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:** [NM\\_001001738.2](#), [NP\\_001001738.2](#)

**RefSeq Size:** 3781 bp

**RefSeq ORF:** 1668 bp

**Locus ID:** 414801

**UniProt ID:** [Q3TNL8](#)

**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]