

Product datasheet for **MR218820**

Itprip (NM_001001738) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Itprip (NM_001001738) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Itprip
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:

>MR218820 representing NM_001001738
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGCCATGGAACCTTCCGGTCTGTCTGGTCTGGTGACAGCCATCATTAACCACCCTCTGCTGTTC
 CACGGGAGAATGCCACGATTCGCCGAGAACGAGGAAGAGATCATACGCAAGATGCAGGAGCACCAGGAGAA
 GCTGCGCCTGGAGCAGCTACGCCTGGAGAGGAGGTGTCACGTCTGGAGGCCGAGAAAGGAGGCTCTGCGG
 CAGGTGGAGGAGGAGCAGCAGCAGCTAGAGGCCACACCGCCTGGGACCTCTGGACCACACTCTGCATGG
 TCCTCTTCTGATCATCGAGGTGTTGCGACAGAACCATCAGGAGGGCACCTTCCCGGAGTGCCTGGGTGG
 AGACGAGGACGAGCTGTCGGGACTAGGGGGCACGCTGCTGCAGGGCCTTCCCTGCCAATAGGGCCACC
 CTGGACCCTTCTACGAGCACTGTATCCGGAGCACCACGGGGGATGCCACCCGACCCAGGAGTTTGTGG
 AAGTTTTCGTGGATGATCTGCTGGAAGCCCTGAGGAGCACCTACAACGGGAAAACCGACATGGAATTGGA
 GGACTTCATCGGCGTGGCAGCATGTATGAGAAGTGGCAAGTGGAGAGGCCACTACGGTCCACTTGT
 ATACCTTCATACCCCCAGAGCCCTACAGCTTCCACCCAGAGTTCTGGTGTCCAGCCTTCAACGCCCC
 TGGAACGTCAGGGCTATGGCCAGATCAAGGTGACGCTGGCTGACGGGAACCCCTTAGGCTGTGTCTGCGG
 CAAGGCTAAGCTTGAGGAGGATATGTTGTGTCTCCTCTACGGCAAGAATAGAGGGGCGTGGCCAGCAGT
 GCCGGGTGCGGTGAGATGGAGGGCTTGCTGTGTCCAGAGAGTCTCCTATCTCGATGTCATGCAGGTCA
 TGAAGTGGTTTCAGATGGCCCTCACCAGAGCGTGGCACCGCATCGCCACAAGTATGAGTTTGACCTTGC
 CTTTGGAGAGCTGGACACCCAGGGTCTCTCAAATCAAGTTCGCTCGGGGAAGTCCATGCCTTTCATC
 TTGACTCCTGTGATCCAGTGAATGACTCAGACCTGACTTTCATTTACAACCTCCAAGGAGCCCTGTG
 GGGGAGGCCAGCCTCCAGCGCTCACTGGCTCCTGTCTTGTCTATGAGCGAGAGTTCTCCCGGAT
 GACAGGCAAGGCTTTGCCGGAGGGTGCCTGCCACCTGAGCTGTTTGCAGATCGCCTCCTTCTTGCTCCTC
 AAGCAGACCCGTCTGACGGGTCCAGTGGGCTGAGTGACTACCACCTAAAGACTGCCCTGCTGCATCTCC
 TGCTGTCCCGGACGGCTCTGACTGGAAGGCCAGCAAGCTGGATGTACGCCTGCAGGACCTCTTCTGCTT
 CCTGGAGAGGAGCCTGCTGGAGAAGAACTCTATCACTTCTTTCATGGGCAACCACAAGGTGCCTGAGGCT
 CTGGGTCTCCAGAGGTTGTGCGCAGAGCCGAGCCTCTCAATCTTCCGGCCCTTCGTCTTGCAGCGGA
 CTCTTTACCGAACACAGTGGACTCCTTCTATGAAATGCTTAAGAACGCCCGCGCTCATTAGCGAGTA
 TTCCCTCCATGTCCCTCAGTTCGTGCCAGCCACCACAAAAGCTGTCGTCTCG

**ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA**

Protein Sequence:

>MR218820 representing NM_001001738
 Red=Cloning site Green=Tags(s)

MAMELFRVCLVVVTAIINHPLLPRENATIPENEEIIRKMQEHQEKLRLEQLRLEEEVSRLEAEKEALR
 QVEEQQLEAHTAWDLWTTLCMVLFLIIEVLRQNHQEGTFPECLGGDEDEL SGLGGTLLQGLPLPNRAT
 LDH FYEHCIRSTTG DATRTQEFVEGFVDDLLEALRSTYNGKTDMELEDFIGVGS MYENWQVERPLRCHLF
 IPFIPPEPYSFHPEFWCSSLSTPLERQYGQIKVTLADGNPLGCVCGKAKLEEDMLCLLYGKNRGAWPSS
 AGCGEMEGLLCSRESSYLDVMQVMKWFQMAL TRAWHRIAHKYEFDLAFGELDTPGSLKIKFRSGKSMPI
 LTPVIQCNSDL YFILQLPKEPCGGGPASSAHWLLSFAVYERFLRMTGKALPEGACHLSCLQIASFLLS
 KQTRLTGPSGLSDYHLK TALLHLLLSRQASDWKASKLDVRLQDLFCFLERSLLEKLYHFFMGNHKVPEA
 LGLPEVRRRAEPLNLF RPFVLRQTLYRNTVDSFYEMLKNAPALISEYSLHVPSVRASPPPKAVVS

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:


ACCN: NM_001001738

ORF Size: 1665 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: [NM_001001738.3](#)

RefSeq Size: 3781 bp

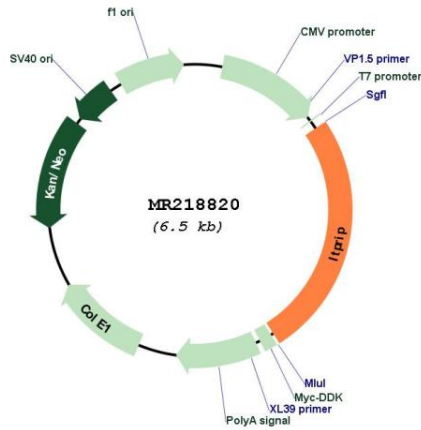
RefSeq ORF: 1668 bp

Locus ID: 414801

UniProt ID: [Q3TNL8](#)

Cytogenetics: 19 D1
MW: 63.7 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 MR218820