

Product datasheet for **MC220445**

Cmip (NM_028941) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Cmip (NM_028941) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Cmip
Synonyms:	4933407C03Rik; 5830471E12Rik; AI314065; AI464126
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >MC220445 representing NM_028941
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGAAGACCTTTGGTCTGGGGATGAACATCCAGAGCCGCTGGGTACATGGAAACTCGGTCTCCTACA
 GCGCCATTGAAGACGTTAGCCGCTGCTCTGGGAGAACGCCCGAAGTACTGTTTACAGCTCACGATCCC
 CGGAGGGACCGTCTGCTGCAGGCTGCCAACAGCTACCTGCGAGATCAGTGGTTCATTCTCTGCAGTGG
 AAGAAAAAGATTTACAAATACAAGAAAGTCTGAGTAACCCAAGCCGCTGGGAGGTTGTCTGAAGGAGA
 TACGGACGCTGGTGGACATGGCCCTCACGTCGCCCTGTCAGGATGATTCTATCAACCAGGCTCCGCTGGA
 AATCGTCTCAAACCTGCTCTCAGAGAACAACCTGACCACTCAGGAGCACGAGAACATCATTGTGGCA
 ATTGCGCCTCTGCTAGAAAACAACCACCCACCCAGACCTCTGCGAATCTTCTGCAAGCACTGCAGAG
 AGCGGCCCCGGTCTATGGTGGTCATCGAGGTGTTACACCAGTGGTTCAGAGGATCCTTAAACATAATAT
 GGACTTTGGGAAGTGCCCAAGGCTGAGGCTCTTACCCAGGAGTATATTCTTGCCTGAACGAGCTCAAC
 GCAGGCATGGAGGTGGTAAAGAAGTTCATACAAAGCATGCATGGCCCCACAGGGCACTGCCACATCCCC
 GGGTCTGCCCAATCTCGTGGCTGTGTGCTGGCTGCCATATACTCCTGCTATGAAGAGTTCATCAACAG
 TCGCGACAACCTCCCCAGCCTGAAAGAGATCCGAAACGGCTGCCAGCAGCCATGCCAGCGAAAGCCACC
 TTACCTCTGCGTCTGCTGCACCCAGCCCGACCTGGTGTCTCAGGAAGCCACATTGCTGAGCCACGGC
 TGAAGTCGGTGGTGTGGCCCTCCAGCGAGGTCCACGTGGAGGTGGAGCGCACCAGCACTGCCAAGCCGGC
 GCTGACCGCCAGCACGGGCAACGACAGCGAGCCCAACCTATTGACTGTCTGATGGTCAGCCAGCCTGT
 GGGACCATGAGCATCGAGCTGGGCCCCAGGCCGGCCGACGCTCGTGGTCCAGTGGAGATCCTCAAGC
 TGCTGTCCGACTACGATGACTGGAGACCGTCTCTGGCCAGCTTGTTCACCCATTCCATTCCCAAGA
 AGCTCTCGCCCACGAGAAGTTCACAAAGGAAGTGAAGTACGTGATTCAGAGGTTTGCAGAAGATCCAAGA
 CAGGAAGTCCACTCCTGTCTGCTGAGCGTGCAGGCAAGGATGGCTGGTTCAGCTCTACAGCCCTG
 GAGGGGTGGCCTGTGATGATGACGGGGAGCTGTTTCCAGCATGGTGCACATTCTCATGGCTCCTGTTA
 CAAGACCAAAAAGTTTCTGCTCTCACTGGCAGAAAACAAGCTGGGCCCTGTATGCTCCTGGCCCTGAGA
 GGGAACCCAGACCATGGCAGAGATCCTGTGTTGATGCTGGAATACAACATCATCGACAACAACGACACCC
 AACTGCAGATCATCTCCACGCTGGAGAGCACGGACGTGGCAAGCGCATGTATGAACAGCTGTGCGACCG
 GCAGCGGGAGCTGAAGGAGCTGCAAAGGAAAGGGGACCCACCAGGCTAACACTGCCCTCCAAGTCCACG
 GATGCGGACCTGGCCCGCTGCTGAGCTCTGGCTCCTTTGGAACTGGAGAACCCTCAGCTTGGCCTTCA
 CCAACGTACCCAGTGCCTGCGCCGAGCACCTCATCAAACCTGCCTCCCTCAAGCAGCTCAATCTGTGGTC
 CACGCAGTTTGGAGACGCCGGCCTGCGGCTCCTTTGCGAGCACCTCACTATGCTCCAAGTGTGAACCTG
 TGTGAGACCCAGTACCCGACGCGGGCTTGTGGCCCTCAGCTCCATGAAGAGTCTTTGAGTTTAAATA
 TGAACAGACCAAGCTCTCGGCTGACACCTACGAGGATCTGAAGGCCAAGCTTCTAACCTAAAGGAGGT
 TGATGTTTCGCTACACGGAAGCCTGGTGA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** SgfI-MluI
- ACCN:** NM_028941
- Insert Size:** 2058 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_028941.1](#), [NP_083217.1](#)

RefSeq Size: 4362 bp

RefSeq ORF: 2058 bp

Locus ID: 74440

UniProt ID: [Q9D486](#)

Cytogenetics: 8 E1

Gene Summary: Plays a role in T-cell signaling pathway.[UniProtKB/Swiss-Prot Function]
Transcript Variant: This variant (2) differs in the 5' UTR, lacks a portion of the 5' coding region, and initiates translation at an alternate start codon, compared to variant 1. The encoded isoform (2) has a distinct N-terminus and is shorter than isoform 1. Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.