

Product datasheet for **RN203811**

Mcrip1 (NM_001108311) Rat Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Mcrip1 (NM_001108311) Rat Untagged Clone
Tag: Tag Free
Symbol: Mcrip1
Synonyms: Fam195b; RGD1311925
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Fully Sequenced ORF: >RN203811 representing NM_001108311
Red=Cloning site **Blue**=ORF **Orange**=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGACCAGCTCTCCTGTCTCTAGAGTTGTCTACAACGGGAAGAGGAATAGCAGTCCCCGCTCTCCCACCA
ACAGCAGTGAGATCTTCACACCAGCGCATGAAGAGAATGTGCGCTTCATTTATGAAGCCTGGCAGGGTGT
TGAGCGAGACCTGCGCAGCCAGCTGTCCAGTGGGAGCGGTGCCTAGTGGAGGAATATGTGGAGAAAGTT
CCCAACCCAGCCTGAAGACCTCAAGCCCATCGACCTGAGCGACCTGAAGCGCCGGAACACGCAGGATG
CCAAGAAGTCCTAG****

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: Sgfl-Mlul
ACCN: NM_001108311
Insert Size: 294 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_001108311.1](#), [NP_001101781.1](#)

RefSeq Size: 1147 bp

RefSeq ORF: 294 bp

Locus ID: 360677

UniProt ID: [B0BN72](#)

Cytogenetics: 10q32.3

Gene Summary: The phosphorylation status of MCRIP1 functions as a molecular switch to regulate epithelial-mesenchymal transition. Unphosphorylated MCRIP1 binds to and inhibits the transcriptional corepressor CTBP(s). When phosphorylated by MAPK/ERK, MCRIP1 releases CTBP(s) resulting in transcriptional silencing of the E-cadherin gene and induction of epithelial-mesenchymal transition.[UniProtKB/Swiss-Prot Function]