

Product datasheet for **SC333331**

FAM195B (MCRIP1) (NM_001288799) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	FAM195B (MCRIP1) (NM_001288799) Human Untagged Clone
Tag:	Tag Free
Symbol:	FAM195B
Synonyms:	FAM195B; GRAN2; MCRIP
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC333331 representing NM_001288799. Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAATTTGTAAACGACTCACTATAGGGCGCCGGGAATTCGTGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGACCAGCTCCCCGTCTCCAGAGTCGTGTACAACGGCAAGAGGACCAGCAGCCCCGCTCCCCACCC
AGCAGCAGCGAGATCTTCACCCAGCCCACGAGGAGAACGTCCGTTTACGAAAGCCTCAAGCC
ATCGACCTGAGTGACCTGAAGCGCCGGAGCACGCAGGATGCCAAGAAGTCCTAG
ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
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Restriction Sites:	Sgfl-MluI
ACCN:	NM_001288799
Insert Size:	192 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_001288799.1](#)

RefSeq Size: 1183 bp

RefSeq ORF: 192 bp

Locus ID: 348262

Cytogenetics: 17q25.3

MW: 7.1 kDa

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 (PubMed:25728771).[UniProtKB/Swiss-Prot Function]
Transcript Variant: This variant (4) has multiple differences, resulting in different UTRs and translation initiation at a downstream start codon, compared to variant 3. The encoded protein (isoform 3) is shorter than isoform 1.