

## **Product datasheet for SC333652**

## OriGene Technologies, Inc.

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## FAM195B (MCRIP1) (NM\_001288798) Human Untagged Clone

## **Product data:**

**Product Type:** Expression Plasmids

Product Name: FAM195B (MCRIP1) (NM 001288798) 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: >SC333652 representing NM\_001288798.

Blue=Insert sequence Red=Cloning site Green=Tag(s)

GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC

AAGAAGTCCTAG

**ACGCGTACGCGGCCGCTC**GAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT

TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC

**Restriction Sites:** Sgfl-Mlul

**ACCN:** NM 001288798

**Insert Size:** 357 bp

**OTI Disclaimer:** Our molecular clone sequence data has been matched to the reference identifier above as a

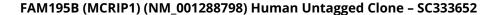
point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative

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: <u>NM 001288798.1</u>

 RefSeq Size:
 1120 bp

 RefSeq ORF:
 357 bp

 Locus ID:
 348262

 Cytogenetics:
 17q25.3

 MW:
 13 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 (3) encodes the longest isoform (1).