

Product datasheet for **SC308484**

FAM195B (MCRIP1) (NM_207368) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	FAM195B (MCRIP1) (NM_207368) 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:	>SC308484 representing NM_207368. Blue=Insert sequence Red=Cloning site Green=Tag(s)

GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGAATTCGTCGACTG
 GATCCGGTACCGAGGAGATCTGCCGCC**CGATCGCC**
ATGACCAGCTCCCCGTCTCCAGAGTCGTGTACAACGGCAAGAGGACCAGCAGCCCCGCTCCCCACCC
AGCAGCAGCGAGATCTTACCCAGCCACGAGGAGAACGTCCGTTCAATTAAGAAGCTGGCAGGGT
GTGGAGCGAGACCTGCGAGGCCAGGTGCCGGTGGCGAGCGGGCCTGGTGGAGGAGTATGTGGAGAAG
GTCCCTAACCCAGCCTGAAGACCTTCAAGCCCATCGACCTGAGTGACCTGAAGCGCCGAGCACGCAG
GATGCCAAGAAGTCCTAG
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
 TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC

Restriction Sites:	SgfI-MluI
ACCN:	NM_207368
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).
OTI Annotation:	This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.


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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:	<ol style="list-style-type: none"> 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_207368.4</u>
RefSeq Size:	1285 bp
RefSeq ORF:	294 bp
Locus ID:	348262
UniProt ID:	<u>C9JLW8</u>
Cytogenetics:	17q25.3
MW:	10.9 kDa
Gene Summary:	<p>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]</p> <p>Transcript Variant: This variant (1) differs in the UTRs, lacks a portion of the 5' coding region and initiates translation at a downstream start codon, compared to variant 3. Variants 1 and 2 encode the same isoform (2), which is shorter at the N-terminus, compared to isoform 1.</p>