

Product datasheet for **RC235758**

FAM195B (MCRIP1) (NM_001288798) Human Tagged ORF Clone

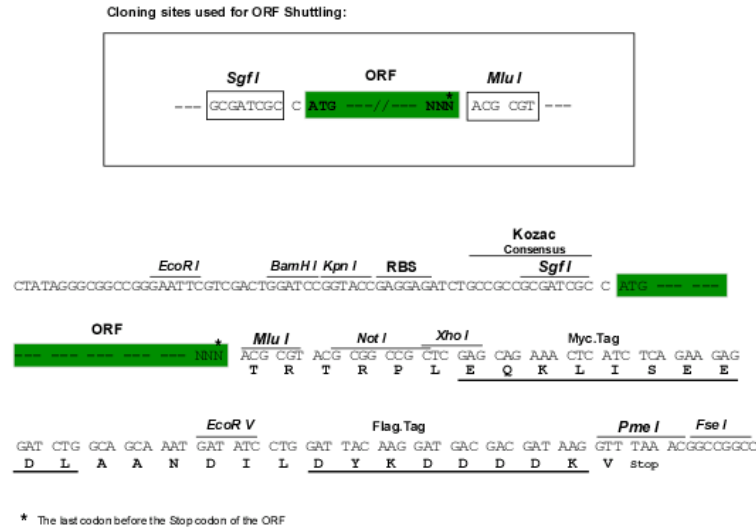
Product data:

Product Type:	Expression Plasmids
Product Name:	FAM195B (MCRIP1) (NM_001288798) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	FAM195B
Synonyms:	FAM195B; GRAN2; MCRIP
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC235758 representing NM_001288798 Red=Cloning site Blue=ORF Green=Tags(s) TTTGTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCCGCCCGATCGCC ATGCTGCCACACCAGAGGCTGAGGGATCTGGCGGTGGAGCGCTAGGATCAGACGCCCCCGCATGACCA GCTCCCCCGTCTCCAGATCGTGTACAACGGCAAGAGGACCAGCAGCCCCCGTCCCCACCCAGCAGCAG CGAGATCTTCACCCAGCCACGAGGAGAACGTCCGCTTCATTTACGAAGCCTGGCAGGGTGTGGAGCGA GACCTGCGAGGCCAGGTGCCGGGTGGCAGCGGGGCTGGTGGAGGAGTATGTGGAGAAGGTCCTAACC CCAGCCTGAAGACCTTCAAGCCATCGACCTGAGTGACCTGAAGCGCCGAGCACGCAGGATGCCAAGAA GTCC ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT ACAAGGATGACGACGATAAGGTTTAA
Protein Sequence:	>RC235758 representing NM_001288798 Red=Cloning site Green=Tags(s) MLPHQRLRGSGGALGSDAPAMTSSPVSRVYNGKRTSSPRSPSSSEIFTPAHEENVRFIYEAWQGV DLRGQVPGGERGLVEEYVEKVPNPSLTKFKPIDLSLKRSTQDAKKS TRTRPLEQKLISEEDLAANDILDYKDDDDKV
Restriction Sites:	Sgfl-MluI



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Cloning Scheme:



ACCN:	NM_001288798
ORF Size:	354 bp
OTI Disclaimer:	The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. More info
OTI Annotation:	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
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.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	NM_001288798.2
RefSeq Size:	1120 bp

RefSeq ORF: 357 bp

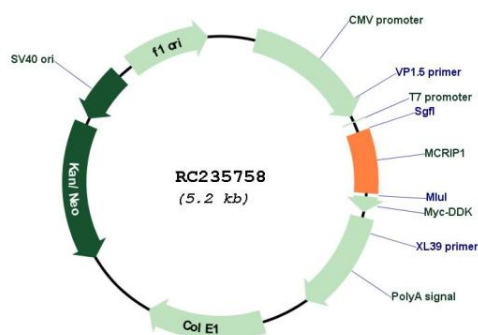
Locus ID: 348262

Cytogenetics: 17q25.3

MW: 13.4 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]

Product images:



Circular map for RC235758