

Product datasheet for RC233307

MARVELD3 (NM_001271329) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: MARVELD3 (NM_001271329) Human Tagged ORF Clone
Tag: Myc-DDK
Symbol: MARVELD3
Synonyms: MARVD3; MRVLDC3
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >RC233307 representing NM_001271329
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGAAGATCCGTCGGGGCTCGCGAGCCCCGGGCCCGGAGAGAGCGGGACCCGGGACGGCGCCCC
 ACCCAGACCAAGGCCGCACCCACGATCGACCGGGACCGACCCGGGACCCGCGCAGGAAGCGAAGCAG
 CGACGGGAACCGGCAAGGGACGGGACCGGGACCCGGAGAGAGACCAGGAGAGGGACGGGAACCGCGAC
 CGGAACCGGGACCGGAGAGGGAGAGAGAGAGGGAAAGAGACCCGGACCGAGGCCCCCGCGGGACACAC
 ACAGGGACGCGGCCCTCGCGCAGTGAACCCCTTCGGAGAGATATCTGCCCTCGACCCCGAGCCCTGGA
 CGAGAGGAGGTGGAATATTACCAGTCAGAGCGGAAGGACTCCTGGAATGCCACAATGCAATACTTGT
 GCACTGGGAGAGGTGTGGTGCAGA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC233307 representing NM_001271329
 Red=Cloning site Green=Tags(s)

MEDPSGAREPRARPRERDPGRRPHPDQGRTHDRPRDRPGDPRRKRSSDGNRRRDGDRDPERDQERDGNRD
 RNRDRERERERERDPDRGPRRDTHRDAGPRAVNPLRRDICPRPPGLDERRWNITSQRRKDSWNATNANTC
 ALGEVWCR

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI



Cloning Scheme:


ACCN: NM_001271329

ORF Size: 444 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.

RefSeq: [NM_001271329.2](#)

RefSeq Size: 2110 bp

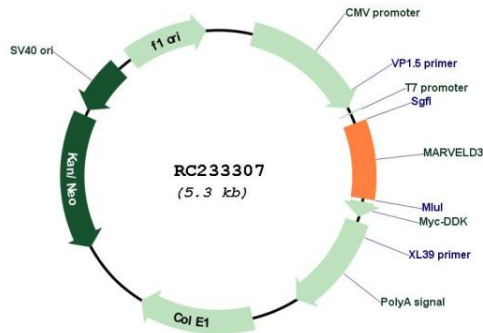
RefSeq ORF: 447 bp

Locus ID: 91862

UniProt ID: [Q96A59](#)

Cytogenetics: 16q22.2
Protein Families: Druggable Genome, Transmembrane
MW: 18.2 kDa
Gene Summary: As a component of tight junctions, plays a role in paracellular ion conductivity. [UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RC233307