

Product datasheet for **RG203632**

MARVELD3 (NM_052858) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: MARVELD3 (NM_052858) Human Tagged ORF Clone
Tag: TurboGFP
Symbol: MARVELD3
Synonyms: MARVD3; MRVLDC3
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >RG203632 representing NM_052858
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGAAGATCCGTCGGGGGCTCGCGAGCCCCGGGCCCGCCGAGAGAGCGGGACCCGGGACGGCGCCCC
 ACCCAGACCAAGGCCGCACCCACGATCGACCGCGGACCGACCCGGGACCCGCGCAGGAAGCGAAGCAG
 CGACGGGAACCGGCAAGGGACGGGACCGGGACCCGGAGAGAGACCAGGAGAGGGACGGGAACCGCGAC
 CGGAACCGGGACCGGGAGAGGGAG
 ACAGGGACCGGGCCCTCGCGCAGGTGAACACGGAGTTTGGGAAAACCGCGCAAAGCCGGACCGGGGA
 CGGAGCCCGGGGACTGACCTGGGACGCAGCCGCGCCTCCTGGGCCCGCGCCTGGGAAGCCCGGAGCCG
 CCGCAGCCGCAGAGGAAGGGAGACCCCGGGCGCCGAGACCCGAAAGTGAACCCCTTCGGAGAGATATC
 TGCCCTCGACCCAGGCCTGGACGAGAGGAGGTGGAATATTACAGTCAGAGGCGGAAGGACTCCTGGA
 ATGCCACAAATGCAAATACTTGTGCACTGGGAGAGCCTGCTGCCAAATGCTGGAGTTTCTCTGAACTTG
 CTGATCCTGGCCTGCAGCTCTGTGCTTACAGTTCCACAGGGGGTACACGGGCATCACCAGCTTGGGGG
 GCATTTACTACTATCAGTTCCGAGGGGCTTACAGTGGCTTTGATGGTGTGACGGGGAGAAGGCCAGCA
 ACTGGATGTCCAGTTCTACCAGCTAAAGCTGCCATGGTCACTGTGGCAATGGCCTGTAGTGGAGCCCTC
 ACAGCCCTCTGCTGCCTCTTCTGTTGCCATGGGTGTCCTGCGGGTCCCGTGGCATTGTCTGCTGG
 TGACCGAAGGCTTGTGGACATGCTCATCGCGGGGGGTACATCCCGCCTTGTACTTCTACTTCCACTA
 CCTCTCTGCTGCCTATGGCTCTCTGTGTGTAAGAGAGGAGGCGCTGTACAAAGCAAAGGCTACAGC
 GGTTTCGGCTGCAGTTTCCACGGAGCAGATATAGGAGCTGGAATCTTTGCTGCCCTGGGCATTGTGGTCT
 TTGCCCTGGGGCTGTCTGGCCATAAAGGGCTACCGAAAAGTTAGGAAGCTAAAAGAGAAGCCAGCAGA
 AATGTTTGAATTT

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >RG203632 representing NM_052858
 Red=Cloning site Green=Tags(s)

MEDPSGAREPRARPRERDPGRRPHDPQGRTHDRPRDRPGDPRRKRSSDGNRRRDGDRDPERDQERDGNRD
 RNRDRERERERERDPDRGPRRDTHRDAGPRAGEHGVWEKPRQSRTRDGARGLTWDAAAPPGPAPWEAPEP
 PQPQRKGDGPRRRPESEPPSERYLPSTPRPGREEVEYYQSEAEGLLECHKCKYLCTGRACQMLEVLLNL
 LILACSSVSYSSSTGGYTGITSLGGIYYYQFGGAYSGFDGADGEKAQQLDVQFYQLKLPMTVAMACSGAL
 TALCCLFVAMGVLRVPHCLLLVTEGLLDMLIAGGYIPALYFYFHYLSAAYGSPVCKERQALYQSKGYS
 GFGCSFHGADIGAGIFAALGIYVVFALGAVLAIKGYRKYRKLKEKPAEMFEF

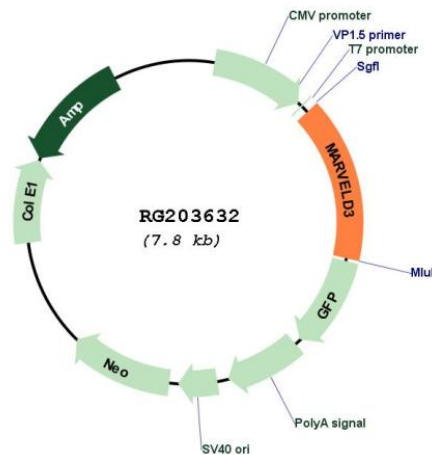
TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_052858

ORF Size:	1203 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:	<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:	NM_052858.6
RefSeq Size:	1808 bp
RefSeq ORF:	1206 bp
Locus ID:	91862
UniProt ID:	Q96A59
Cytogenetics:	16q22.2
Protein Families:	Druggable Genome, Transmembrane
Gene Summary:	As a component of tight junctions, plays a role in paracellular ion conductivity. [UniProtKB/Swiss-Prot Function]