

## Product datasheet for **SC123093**

### **MARVELD3 (NM\_052858) Human Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	MARVELD3 (NM_052858) Human Untagged Clone
Tag:	Tag Free
Symbol:	MARVELD3
Synonyms:	MARVD3; MRVLDC3
Mammalian Cell Selection:	None
Vector:	<u><a href="#">pCMV6-XL5</a></u>
E. coli Selection:	Ampicillin (100 ug/mL)



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**Fully Sequenced ORF:** >OriGene sequence for NM\_052858 edited  
 TGTTGCCCTCAGGTCGCTCCCGGGCGGGACACGGAACCCGGCCATGGAAGATCCGTCGG  
 GGGCTCGCGAGCCCCGGGCCCGGAGAGAGCGGGACCCGGGACGGCGCCCCACCCAG  
 ACCAAGGCCGCACCCACGATCGACCGCGGGACCGACCCGGGGACCCGCGCAGGAAGCGAA  
 GCAGCGACGGGAACCGCGAAGGGACGGGGACCCGGAAGAGAGACCAGGAGAGGG  
 ACGGGAACCGCGACCCGGAACCGGGACCGGGAGAGGGAGAGAGAGGGAAAGACCCGG  
 ACCGAGGCCCCCGCCGGACACACAGGACGCGGGCCCTCGCGCAGGTGAACACGGAG  
 TTTGGGAAAAACCGCGCAAAAGCCGACGCGGGACGGAGCCCGGGACTGACCTGGGACG  
 CAGCCGCGCCTCCTGGGCCCGCGCCCTGGGAAGCCCCGGAGCCGCGCAGCCGACAGGA  
 AGGGAGACCCCGGGCGCGCAGACCCGAAAGTGAACCCCTTCGGAGAGATATCTGCCCT  
 CGACCCAGGCCTGGACGAGAGAGGTGGAATATTACCAGTCAGAGCGGAAGGACTCC  
 TGGAAATGCCACAAATGCAAATACTTGTGCACTGGGAGAGCCTGCTGCCAAATGCTGGAGG  
 TTCTCCTGAACTTGCTGATCCTGGCCTGCAGCTCTGTGTCTTACAGTTCCACAGGGGGCT  
 ACACGGGCATCACCAGCTTGGGGGGCATTACTACTATCAGTTCCGAGGGGGCTTACAGTG  
 GCTTTGATGGTGTGACGGGGAGAAGGCCAGCAACTGGATGTCCAGTTCTACCAGCTAA  
 AGCTGCCCATGGTCACTGTGGCAATGGCCTGTAGTGGAGCCCTCACAGCCCTCTGCTGCC  
 TCTTCGTTGCCATGGGTGTCCTGCGGGTCCCGTGGCATTGTCCACTGTTGCTGGTGACCG  
 AAGGCTTGTGGACATGCTCATCGGGGGGTACATCCCGCCCTGTACTTCTACTTCC  
 ACTACCTCTGCTGCCTATGGCTCTCCTGTGTGTAAGAGAGAGCGAGGCTGTACCAA  
 GCAAAGGCTACAGCGTTTCGGCTGCAGTTCCACGGAGCAGATATAGGAGCTGGAATCT  
 TTGCTGCCCTGGCATTGTGGTCTTTCCTGGGGCGGTCTGGCCATAAAGGGCTACC  
 GAAAAGTTAGGAAGCTAAAAGAGAAGCCAGCAGAAATGTTTGAATTTTAAAGGGTTCTAA  
 AACCTCTGACAGATGCAAGTGGTGGTGAAGGTAGTCTGAGCCACTGCCTTTCCCAAGA  
 ATCCCTTGTGTGAAGTTTCCAATGCTGGAAAAGCAGCGAGCCAGCGTTGGTGTGGTGG  
 GCGGAGCTCCAGTCGATGGAGCGGTGTTATGGATGCAACAGACCCTGGCTTCTGGAG  
 TCCTCTGTGAGTGAGGGACCAATCAAAATTATTTTTCAAAAAGCAAAAAAATGGCCGGCC  
 TCGGGCGCTCACACCTGTAACCCAGCACTTTGGGAGGCTGAGGTGGGTGGATCACTTGA  
 GGTGAGGAGCTCGAGACCAGCTTGGCCAACATGGTGGAGCCCGTCTCTACTAAAATACA  
 AAAAAATTAGCCAGGCGTGGTGGCGGGCGCTGTATCCAGCTACTTGGGAGGCTGAGG  
 CAGGAGAAATCGTTGAATCTGGGAGCGGAGATTGCAGTGGAGCCGAGATCCCGCCACTGC  
 ACTCCAGCCAGGTGACAGAGCGAGACTCCATCTCAAAAAAAAAAAAAA

**5' Read Nucleotide Sequence:** >OriGene 5' read for NM\_052858 unedited  
 NNNNGCTTGTTCNGATTTGTATACGACTCATATAGGCGGGCCGCAATTCGCACGAGGTG  
 TTGCCCTCAGGTCGCTCCCGGGCGGGACACGGAACCCGGCCATGGAAGATCCGTCGGGG  
 GCTCGCGAGCCCCGGGCCCGGCGGAGAGAGCGGGACCCGGGACGGCGCCCCACCCAGAC  
 CAAGCCGCACCCACGATCGACCGCGGGACCGACCCGGGGACCCGCGCAGGAAGCGAAGC  
 AGCGACGGGAACCGGCGAAGGGACGGGGACCCGGGACCCGAAAGAGAGACCAGGAGAGGGAC  
 GGAACCGCGACCCGGAACCGGGACCGGGAGAGGGAGAGAGAGAGGAAAGAGACCCGGAC  
 CGAGGCCCCCGCGGGACACACAGGGACGCGGGCCCTCGCGCAGGTGAACACGGAGTT  
 TGGGAAAAACCGCGCAAAAGCCGACGCGGGACGGAGCCCGGGACTGACCTGGGACGCA  
 GCCGCGCCTCCTGGGCCCGCCCTGGGAAGCCCGGAGCCCGCAGCCGACAGAGGAAG  
 GGAGACCCCGGGCGCCGACACCCGAAAGTGAACCCCTTCGGAGAGATATCTGCCCTCG  
 ACCCCAGGCCTGGACGAGAGAGGTGGAATATTACCAGTCAGAGCGGAAGGACTCCTG  
 GAATGCCACAAATGCAAATACTTGTGCACTGGGAGAGCCTGCTGCCAAATGCTGGAGGTT  
 CTCTGAACTTGCTGATCCTGGCCTGCAGCTCTGTGTCTTACAGTTCCACAGGGGGCTAC  
 ACGGGCATCACCAGCTTGGGGGGCATTACTACTATCAGTNTCGGAGGGCTTACAGTGGC  
 TTTGATGGTGCTGACGGGGAGAAGGCCAGCACTN

**Restriction Sites:** Please inquire  
**ACCN:** NM\_052858

<b>Insert Size:</b>	1579 bp
<b>OTI Disclaimer:</b>	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).
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">NM_052858.3</a> , <a href="#">NP_443090.2</a>
<b>RefSeq Size:</b>	1808 bp
<b>RefSeq ORF:</b>	1206 bp
<b>Locus ID:</b>	91862
<b>UniProt ID:</b>	<a href="#">Q96A59</a>
<b>Cytogenetics:</b>	16q22.2
<b>Protein Families:</b>	Druggable Genome, Transmembrane
<b>Gene Summary:</b>	<p>As a component of tight junctions, plays a role in paracellular ion conductivity. [UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (2) uses an alternate exon at its 3' terminus, compared to variant 1, which results in a protein (isoform 2) with a shorter and distinct C-terminus, compared to isoform 1. There is no support for the protein predicted to be encoded by this variant. Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.</p>