

Product datasheet for **SC321737**

MARVELD2 (NM_001038603) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	MARVELD2 (NM_001038603) Human Untagged Clone
Tag:	Tag Free
Symbol:	MARVELD2
Synonyms:	DFNB49; MARVD2; MRVLDC2; Tric
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene sequence for NM_001038603.1
 CAGAGTCTGGGAGCGTGCAGCTCTTCTGGCGGTGCGCAGGTGTGAAAATCACAAA
 TGTCAAATGATGGAAGATCCAGGAATCGGGACAGGCGCTACGATGAGGTCCCAAGCGACC
 TGCCCTATCAAGATACCACCATAAGAACCACCCAATTCTTCATGACAGTGAGCGGGCAG
 TGAGCGCTGATCCCTTGCCACCACCCCTCTCCATTACAGCCACCATTGCGCCAGACT
 TCTACTCAAGTGACACAGAAGAACCAGCTATAGCGCCAGATCTCAAACCAGTAAGGCGCT
 TTGTCCCTGACTCCTGGAAGAACTTTTTAGAGGGAAGAAAAAGGACCCGAATGGGATA
 AGCCGGTGTCTGATATCAGGTACATCTCCGATGGAGTGGAGTGTTCACCACCAGCCTCTC
 CAGCAAGACCAAACCACCGTTTCGCCCCCAACTCCTGCAAAGATCCCTACGGAGGGTCAG
 AAGGAACCTTTAGTTCCCGGAAAGAGGCTGACGCAGTGTTCCTCCGGATCCCTATGGAT
 CTCTAGACCGACACACAAACAGTTCGAACATACAGTGAGAAGGTGGAGGAGTATAACC
 TGAGATACTCTACATGAAGTCGTGGGACGGCTGCTGAGAATACTGGGTGTGGTGGAGC
 TGCTTTTGGGGCCGGTGTCTTTGCTTGTGTACAGCTTACATTCACAAGGACAGTGAGT
 GGTACAACCTGTTTGGATATTCACAACCGTATGGCATGGGAGGCGTTGGTGGATTGGGCA
 GTATGTATGGGGCTATTACTACACTGGCCCTAAGACCCCTTTTGTACTCGTGGTTGCTG
 GATTAGCTTGGATCACCACCATTATTATTCTGGTCTTGGCATGTCCATGTATTACCGGA
 CCATTCTCTGGACTCTAATTGGTGGCCCTAACTGAATTTGGAATTAACGTTGCCTTGT
 TTATTTTGTATATGGCCGAGCCATAGTCTATGTGAATGATACCAACCGAGGTGGCCTCT
 GCTACTATCCGTTATTTAATACACCAGTGAATGCAGTGTCTGCCGGTGAAGGAGGAC
 AGATAGCTGCAATGATCTTCCTGTTTGTACCATGATAGTTTATCTCATTAGTGTCTTGG
 TTTGCCTAAAGTTATGGAGGCATGAGGCAGCTCGGAGACATAGAGAATATATGGAACAAC
 AGGAGATAAATGAGCCATCATTGTCATCGAAAAGGAAAATGTGTGAAATGGCCACCAGTG
 GTGACAGACAAAGAGACTCAGAAGTTAATTTCAAGGAAGTGAAGCAGCAAAAATGAAAC
 CTGAACCTACTGAGTGGACACATCCCCCAGGCCACATTCCTAAACCTATCGTGATGCCCG
 ACTATGTGGCAAAATACCTGTGATTACAGACAGATGATGAGCGAGAACGCTATAAAGCTG
 TGTTCAGACAGTTCCTCAGAGTACAAAGAGCTGTCTGCAGAAGTTCAGGCTGTCTGA
 GGAAGTTTGTGAGCTGGATGCAGTGATGAGCAGATTGCCACATCATTGGAAGCCGAC
 AGGAACATGAGAGAATTTCAAGAATCCATGAAGAGTTTAAAGAAAAAAGAATGATCCTA
 CATTTCTGAAAAAAGAACGCTGTGATTACCTAAAGAATAAACTTTCTCACATAAAGC
 AAAGAATTCAAGAATATGATAAAGTAATGAATTGGGATGTACAAGTTATTCTTAACGCT
 TATTTGAAACCACTTTATTTTTTATTTTATTTTATTTTGTAGATGAAGTCTCGCTCT
 GTTACCCAGGCTGGAATGCAGTGGCACAATCTCGGCTCACTGCAACCTCCACCTCCCGGG
 TTCAAGCAATTCTCCTGTTCAAGCAATTAGCCTCCCCAGTAGCTGGGATTACAGGCGTGC
 GCTGCCACACCCCGCTAATTTTTGTATTTTAGTAGAGACGAGGTTTACCATGTTGGTC
 AGGCTGGGAACTACTTTTTTAAAAAATAGCAAGTTTACTATTTTACTGCCTTTTT
 AATGCTAGCCTCTGTGGTAGAGAAGCAAGCGCTTCCCAATCAGCTTCCAATTGGTTAA
 CCAGTATGCAACATTAAGATTTTACTCAGACATCTTTAAACGAAAAAAAAAAAAAAAAAA
 AA
 AA
 AA

Restriction Sites: Please inquire

ACCN: NM_001038603

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.
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_001038603.1 , NP_001033692.1
RefSeq Size:	2282 bp
RefSeq ORF:	1677 bp
Locus ID:	153562
UniProt ID:	Q8N4S9
Cytogenetics:	5q13.2
Protein Families:	Transmembrane
Gene Summary:	The protein encoded by this gene is a membrane protein found at the tight junctions between epithelial cells. The encoded protein helps establish epithelial barriers such as those in the organ of Corti, where these barriers are required for normal hearing. Defects in this gene are a cause of deafness autosomal recessive type 49 (DFNB49). Two transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Sep 2011] Transcript Variant: This variant (1) represents the longer transcript and encodes the longer isoform (1).