

Product datasheet for **MG225336**

Marveld3 (NM_028584) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Marveld3 (NM_028584) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Marveld3
Synonyms:	1810006A16Rik; AI642133; Marvd3; Mrvldc3
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG225336 representing NM_028584 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGAAAAATACTTCGGGGCACCGTGAGCCCCGGACCCGTCCTAGAGAAAGAGACCCGGACCGGCCCGC
ACCCGGACCGAGACCACACGTCGAGCGGTTCGCGGGACCGAGGCGGGACAGGCACAGGGAGAGAAACGG
TGACGTGAGAGAAACGGGGACCGTCGGCGGGCCGGGAACAGAGAACGGACCGAGACCAGCGCCAGGAC
AGACACAGGGACCGGGCCATCGCGCATCCGAACAAAGAGCCTTGAGAGAAGTCCCGTCAAAGCCGTGCGC
GGCCCCAGCCCTGGGGACCCAGTTGGGACGACGCCCGACTCCGGGACCCGCACCCTGGGGCCCCCAGA
GCTGTGCGAGAAGCATGGCCTCGGGCGCCGCGGTTGGAGAGCGAACGGGCTTCGGAAAGATACGTGCC
ACCTACTCCGTGCCTGCTCTCCAGGAAGAGGAATATTACAGTCGGAAGCGGAGGGACTCCTGGATTGCC
ACAAATGCAGATACTTGTGCACAGGGAGAGCCTGCTGCCAGATGCTGGAGGCTCTGCTGAACTTGTGAT
CTTGGCCTGCAGCTCTGTCTCTTACAATCCACGGGGGGCTACACGGGCATCACCAGCCTGGGGGGATT
TACTACTACAGTATGGAGGGGCTTATAGTGGCTTTGACGGTGCGGACGGGGAGAGGCCAGCAGTTGG
ACGTTTCAGTTTACCAGCTCAAGCTGCCTACGGTCACTGCAGCCATGGCCTACAGCGGAGCCCTCATGAC
CTTCTCCTGTCTACCCCTCCTCGGGGTGCCTTGGGGTCCCTTGGCACTGTCCACTATGGCTGGTGATT
GAGGGCTTAATGGATGCACTATTGCTGGGGCCTATGTTCCAGGCTTGTACTTCTTCCAACCTCT
CTGCCGCTATAGTTTACAGTGTGTGCAAGGAGAGGGAGACCCTGTACCAGAGCAAAGTTATAGTGGCTT
CAACTGTGGTGTCCATGGGGGAGACATAGGAGCAGGAGTCTTTCAGCCATGGCCATTGGGGTCTTTGCC
GTGGGAGCTGTCTGGCCTTTAGGGTTACCGAAAAGTCAAGAAGCTGAAGGAGAAGCCACAGAAATGC
TTGAGTTT

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG225336 representing NM_028584
Red=Cloning site Green=Tags(s)

MKNTSGHREPRTPRERDPDRRPHDPDRDHHVRSRDRGGDRHRERNGDVRGNGDRRAGREQRTDRDQRQD
 RHRDAGHRASEQRALAKSRQSRARPEPWGPSWDAAPTGPAPWGPPPELSQKHGLGRRGLESERASERYVP
 TYSVPALQEEYQSEAEGLLDCHKCRYLCTGRACQMLEALLNLLILACSSVSYNSTGGYTGITSLGGI
 YYYQYGGAYSGFDGADGERAQQLDVQFYQLKLPVTAAAMAYSGALMTFSCLLTLLAGALRVPWHCPLWLV
 EGLMDAL IAGAYVPLYFFQHL SAAYS SDVCKERETLYQSKGYSGFNCGVHGGDIGAGVFAAMAIGVFA
 VGAVLAFRGYRKVKKLEKEPTEMLEF

TRTRPLE - GFP Tag - V

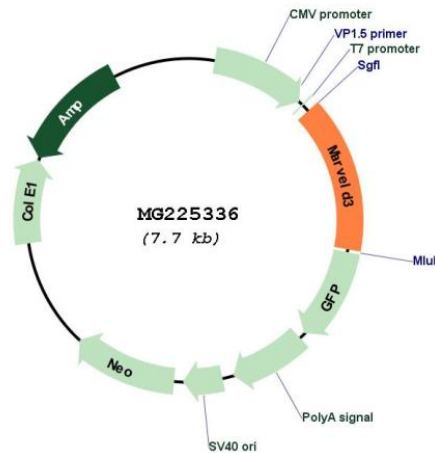
Restriction Sites:

SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN:

NM_028584

ORF Size:	1128 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_028584.3 , NP_082860.2
RefSeq Size:	2451 bp
RefSeq ORF:	1131 bp
Locus ID:	73608
UniProt ID:	Q9D956
Cytogenetics:	8 D3
Gene Summary:	As a component of tight junctions, plays a role in paracellular ion conductivity. [UniProtKB/Swiss-Prot Function]