

## Product datasheet for **SC212520**

### Dematin (DMTN) (NM\_001114138) Human 3' UTR Clone

#### Product data:

**Product Type:** 3' UTR Clones  
**Product Name:** Dematin (DMTN) (NM\_001114138) Human 3' UTR Clone  
**Vector:** pMirTarget (PS100062)  
**Symbol:** DMTN  
**Synonyms:** DMT; EPB49  
**ACCN:** NM\_001114138  
**Insert Size:** 1092 bp  
**Insert Sequence:** >SC212520 3'UTR clone of NM\_001114138  
The sequence shown below is from the reference sequence of NM\_001114138. The complete sequence of this clone may contain minor differences, such as SNPs.  
**Blue**=Stop Codon **Red**=Cloning site

```
GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAAGCCAAGAAGGGCGGAAAGATCGCCGTG
TAACAATTGGCAGAGCTCAGAATTCAAGCGATCGCC
GAGCTCAAGAAGAAGGCCTCTCTTCTGATGGCCCCACCTGCTCCGGGACGGCCCCCTTACCCTGCG
TGCTTCAGGGTTTTTCCCGCGGGTTGGGAGGGGCAGGAGGTGGGGTGGAAATAGGGTGGGCTCCTTT
CCTCAGGTAGAGTGGGGGCCAAAACCTGTCAGTCCCGCAGTGAGCTATGGACTTTCTTCCCCCTC
ACAAGGCTGGGGCCTCCTGCTCTCGTCCCTGGCCCTCCCTGCACAGGGCAAAGCCAGTCTGGGCTCTG
GCACACAGAGTTCATGTTTGCGCCCTCTCCCTGCCCTCACCCAGAGGGTGAGGAGGAATGAGGGGCA
TTGGTGGTTAGGCCGGTTGGCTGTCTTGAACAGCTGGAGGGAAGATGCAGGGGTGGGAAGCGGCCAGGC
AGAAAGAGCTCCAGGCTCTTGTGTCGCCACCCAGCCCTCCATACTCACTCCTGACAGCTTTCTGCA
CTGCAGCCTCCTGCTCCTGACTCTAGTGGGAACAGGCCCCAGCTCAGCCTCCGGCAGGGAGGTCACC
CCTCCACTTCAGCTTGCCTGACCTCCGCTCGCAAACCCGAGCTTCCAAGCCTTTTGTCCAGCCCTG
CGGCTTCCCAGAAAGCCTGGGCTTAGGGTGGAGATGCCGCTACACACGATCCTGGCCCTCCACCTGCC
TCCAGGCCACGAAATGGGAATCCAGCACTAAGCCAGGCACCGGGCAGAAAGCTGGGCCTTCCGCCTCC
TTGGATGGGGTCAAGAGGCCAGGCTGGCACATTTTGGAGTGTCTGGCTACCAGCTCTACCTACACC
CACGCACCCCCCACACACTATGCTCTCTCAAGAATGTAATTTATTGGGGCCCCCAGCTGCTTTCTCCT
CACCTGCCCTGCCCTACCTTACACCCAGCTTGACTTCTTTCCAGTCCACGTGTGATATAATGATA
TCTATATTTTGGCCAGGTCTGGGTATTGCTCTGCCAGACCCTGACATCCCTTTCCACTGTGTGTGT
GACCATGCTGGGGGAGGGGACTCTGCTTGAATTTAAAGGTTGCATTGGGTCCCTA
ACGGGTAAAGCGGCCGCGCATCTAGATTCAAGAAAATGACCGACCAAGCGACGCCCAACCTGCCATCA
CGAGATTCGATTCCACCGCCGCTTCTATGAAAGG
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**Restriction Sites:** SgfI-MluI



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|                        |   |
|------------------------|---|
| <b>OTI Disclaimer:</b> | Our molecular clone sequence data has been matched to the sequence identifier above as a point of reference. Note that the complete sequence of this clone is largely the same as the reference sequence but may contain minor differences , e.g., single nucleotide polymorphisms (SNPs).  |
| <b>Components:</b>     | The cDNA clone is shipped in a 2-D bar-coded Matrix tube as 10 ug dried plasmid DNA. The package also includes 100 pmols of both the corresponding 5' and 3' vector primers in separate vials.  |
| <b>RefSeq:</b>         | <u><a href="#">NM_001114138.3</a></u>   |
| <b>Summary:</b>        | The protein encoded by this gene is an actin binding and bundling protein that plays a structural role in erythrocytes, by stabilizing and attaching the spectrin/actin cytoskeleton to the erythrocyte membrane in a phosphorylation-dependent manner. This protein contains a core domain in the N-terminus, and a headpiece domain in the C-terminus that binds F-actin. When purified from erythrocytes, this protein exists as a trimer composed of two 48 kDa polypeptides and a 52 kDa polypeptide. The different subunits arise from alternative splicing in the 3' coding region, where the headpiece domain is located. Disruption of this gene has been correlated with the autosomal dominant Marie Unna hereditary hypotrichosis disease, while loss of heterozygosity of this gene is thought to play a role in prostate cancer progression. Alternative splicing results in multiple transcript variants encoding different isoforms. [provided by RefSeq, Nov 2014] |
| <b>Locus ID:</b>       | 2039  |
| <b>MW:</b>             | 39.2  |