

Product datasheet for SC212521

Dematin (DMTN) (NM_001978) Human 3' UTR Clone

Product data:

Product Type: 3' UTR Clones
Product Name: Dematin (DMTN) (NM_001978) Human 3' UTR Clone
Vector: pMirTarget (PS100062)
Symbol: DMTN
Synonyms: DMT; EPB49
ACCN: NM_001978
Insert Size: 1092 bp
Insert Sequence: >SC212521 3'UTR clone of NM_001978
 The sequence shown below is from the reference sequence of NM_001978. The complete sequence of this clone may contain minor differences, such as SNPs.
 Blue=Stop Codon Red=Cloning site

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GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAAGCCAAGAAGGGCGGAAAGATCGCCGTG
TAACAATTGGCAGAGCTCAGAATTCAAGCGATCGCC
GAGCTCAAGAAGAAGGCCTCTCTTCTGATGGCCCCACCTGCTCCGGGACGGCCCCCTTACCCTGCG
TGCTTCAGGGTTTTTCCCGCGGGTTGGGAGGGGACAGGAGGTGGGGTGGAAATAGGGTGGGCTCCTTT
CCTCAGGTAGAGTGGGGGGCCAAAACCTTGACAGTCCCGCGCAGTGAGCTATGGACTTTCTTCCCCCTC
ACAAGGCTGGGGGCTCCTGCTCTCGTCCCTGGCCCTCCCTGCACAGGGCAAAGCCAGTCTGGGCTCTG
GCACACAGAGTTCATGTTTGCGCCCTCTCCCTGCCCTCACCCAGAGGGTGAGGAGGAATGAGGGGCA
TTGGTGGTTAGGCCGGTTGGCTGTCTTGAACAGCTGGAGGGAAGATGCAGGGGTGGGAAGCGGCCAGGC
AGAAAGAGCTCCAGGCTCTTGTGTCGCCACCCAGCCCTCCATACTCACTCCTGACAGCTTTCTGCA
CTGCAGCCTCCTGCTCCTGACTCTAGTGGGAACAGGCCCCAGCTCAGCCTCCGGCAGGGAGGTCACC
CCTCCACTTCAGCTTGCCTGACCTCCGCTCGCAAACCCGAGCTTCCAAGCCTTTTGTCCAGCCCTG
CGGCTTCCCAGAAAGCCTGGGCTTAGGGTGGAGATGCCGCCTACACACGATCCTGGCCCTCCACCTGCC
TCCAGGCCACGAAATGGGAATCCAGCACTAAGCCAGGCACCGGGCAGAAAGCTGGGCCTTCCGCCTCC
TTGGATGGGGTCAAGAGGCCAGGCTGGCACATTTTGGAGTGTCTGGCTACCAGCTCTACCTACACC
CACGCACCCCCCACACACTATGCTCTCTCAAGAATGTAATTTATTGGGGCCCCCAGCTGCTTTCTCCT
CACCTGCCCTGCCCTACCTTACACCCCGAGCTTGACTTCTTTCCAGTCCACGTGTGATATAATGATA
TCTATATTTTTGCCAGGTCTGGGTATTGCTCTGCCAGACCCTGACATCCCTTTCCACTGTGTGTGT
GACCATGCTGGGGGAGGGGACTCTGCTTGAATTTAAAGGTTGCATTGGGTCCCTA
ACGGGT AAGCGGCCGCGGCATCTAGATTGAAAGAAAATGACCGACCAAGCGACGCCCAACCTGCCATCA
CGAGATTCGATTCCACCGCCGCTTCTATGAAAGG
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Restriction Sites: SgfI-MluI



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OTI Disclaimer:	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).
Components:	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.
RefSeq:	<u>NM_001978.5</u>
Summary:	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]
Locus ID:	2039
MW:	39.2