

Product datasheet for **RG202895**

Dematin (DMTN) (NM_001978) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Dematin (DMTN) (NM_001978) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Dematin
Synonyms:	DMT; EPB49
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG202895 representing NM_001978 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGAACGGCTGCAGAAGCAACCACTTACCTCCCCGGGAGCGTGAGCCCTCCCGAGATTCAGTGTGC
CTGGCTCTCCCTCCAGCATCGTGGCCAAGATGGACAATCAGGTGCTGGGCTACAAGGACCTGGCTGCCAT
CCCCAAGGACAAGGCCATCCTGGACATCGAGCGGCCGACCTCATGATCTACGAGCCTCACTTCACTTAT
TCCCTCCTGGAACACGTGGAGCTGCCTCGCAGCCGCGAGCGCTCGCTGTACCCAAATCCACATCCCCC
CACCATCCCAGAGGTGTGGGCGGACAGCCGGTCCCTGGAATCATCTCTCAGGCCTCGGCCCCAGAAC
CACTGGAACCCCGGACCAGCCTGCCCATTTCCACCACCTGAGACCTCCCGCCAGATTCCAACATC
TACAAGAAGCCTCCCATCTATAAGCAGAGAGAGTCCGTGGGAGGAGCCCTCAGACCAAGCACCTCATCG
AGGATCTCATCATCGAGTCATCCAAGTTTCTGACGCCAGCCCCAGACCCCAACCAGCCAGCCAAAAT
CGAAACCGACTACTGGCCATGCCCCCGTCTCTGGCTGTTGTGGAGACAGAATGGAGGAAGCGGAAGGCG
TCTCGGAGGGGAGCAGAGGAAGAGGAGGAGGAGGAAGATGACGACTCTGGAGAGGAGATGAAGGCTCTCA
GGGAGCGTCAGAGAGAGGAACCTCAGTAAGGTTACTTCAACTTGGGAAAGATGATCTTGAAGAAGAGAT
GGAAAAGTCATTGCCGATCCGAAGGAAAACCCGCTCTCTGCCTGACCCGGACACCTTCCATACCTCCTTG
CACCAGGGAACGTCTAAATCTTCTCTCTCCCCGCCTATGGCAGGACCACCTGAGCCGGCTACAGTCCA
CAGAGTTCAGCCCATCAGGGAGTGAGACTGGAAGCCAGGCCTGCAGAACGGAGAGGGCCAGAGGGGGAG
GATGGACCGGGGAACTCCCTGCCTGTGTGCTGGAGCAGAAGATCTATCCCTATGAAATGCTAGTGGTG
ACCAACAAGGGGCGAACCAAGCTGCCACCGGGGTGGATCGGATGCGGCTTGAGAGGCATCTGTCTGCCG
AGGACTTCTCAAGGATTTGCCATGTCCCTGAAGAGTTTGGCAAGCTGGCTCTGTGGAAGCGGAATGA
GCTCAAGAAGAAGGCCTCTCTTTC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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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_001978.5](#)

RefSeq Size: 2727 bp

RefSeq ORF: 1218 bp

Locus ID: 2039

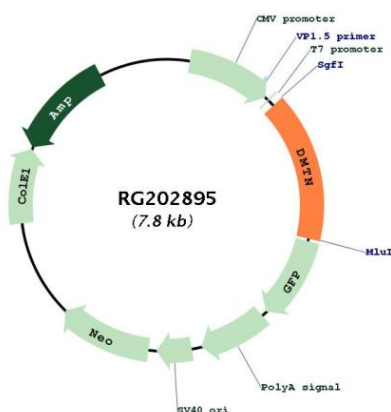
UniProt ID: [Q08495](#)

Cytogenetics: 8p21.3

Domains: VHP

Gene 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]

Product images:



Circular map for RG202895