

## Product datasheet for **RG215217**

### VILL (NM\_015873) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	VILL (NM_015873) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	VILL
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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**ORF Nucleotide Sequence:**

>RG215217 representing NM\_015873  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGGACATCAGCAAGGGCCTCCAGGCATGCAGGGAGGCCTCCACATATGGATCTCTGAGAACC<sup>GAAGA</sup>  
 TGGTGCCGGTACCCGAGGGGCTTACGGGAAC<sup>TTTTTTGAGGA</sup>ACTGCTATGTCATCCTCCACGTCCC  
 CCAGAGCCCAAGGCCACGCAGGGGGCTCCAGCGACCTGCACTACTGGGTCGGGAAGCAGGCGGGTGC  
 GAAGCGCAGGGCGCTGCGGAGGCCTTCCAGCAGCGCTACAGGACGAGCTGGGGGCCAGACCGTGTGC  
 ACCGCGAGGGCGCAGGGCCACGAGTCCGACTGCTTCTGCAGCTACTCCGCCCGGAATCATCTACAGGAA  
 GGGAGGCCTAGCATCTGACCTCAAGCATGTGGAGACCACTTGTCAACATCCAGCGACTGCTGCACATC  
 AAAGGGAGGAAGCACGTGTCTGCCACTGAGGTGGAGCTCTCTGGAACAGCTTTAATAAGGGTGACATCT  
 TCCTGCTGGACCTAGGCAAGATGATGATTCAAGTGAATGGGCCAAGACCAGCATTTCTGAGAAGGCTCG  
 GGGGCTGGCTTTGACCTACAGCCTCCGGGACAGGGAACGTGGTGGTGGTGTGCACAGATTGGTGTGGT  
 GATGATGAGGCCAAAGCCCCGGACCTCATGCAGATCATGGAGGCTGTGCTGGGCCGAGGGTGGGCAGCC  
 TGCCTGCCCCACGCCAGCAAGGATATCAACCAGCTGCAGAAGGCCAATGTTCCGCTGTACCATGTCTA  
 TGAGAAGGGCAAAGACCTGGTGGTCTGGAGTTGGCGACCCCCCACTGACCCAGGACCTGCTGCAGGAG  
 GAGGACTTCTACATCCTGGACCAGGGTGGCTTCAAGATCTATGTGTGGCAGGGACGCATGTCTAGCCTCC  
 AGGAGAGAAAGGCTGCCTTACGCCGGGCTGTGGGCTTCAAGGCAAGGGCTACCCGACCTACACCAA  
 CGTGGAGGTGGTGAACGACGGCGCCGAGTCGGCCCGTCAAGCAGCTCTCCGGACTGGTCTGAGAAG  
 CGGCGCAGGAACCAGAAGCTCGGCGGGAGGGATAAATCGATTATGTAAGCTGGACGTGGGCAAGCTGC  
 ACACCCAGCCTAAGTTAGCGGCCAGCTCAGGATGGTGGACAGCGCTCTGGGAAGTGGAGGTGGTGGT  
 CATCCAGGACTTACACAGGCAGCCCGTGGACCCCAAGCGTCATGGACAGCTGTGTGACAGGCAACTGCTAC  
 CTTGTGCTCTACACATACCAGAGGCTGGGCCGTGCCAGTACATCCTGTACCTATGGCAGGGCCACCAGG  
 CCACTGCGGATGAGATTGAGGCCCTGAACAGCAACGCTGAGGAACTAGATGTCATGTATGGTGGCCTCT  
 AGTACAGGAGCATGTGACCATGGGCAGCGAGCCCCCACTTCTCGCCATCTTCCAGGGCCAGCTGGT  
 ATCTTCCAGGAGAGACTGGGCACCATGGAAGGGGCGAGTCCAGCATCCACCACAAGGCTTTTCCAAGTGC  
 AAGGCACTGACAGCCACAACACCAGGACCATGGAGGTGCCAGCCCGTGCCTCATCCCTCAACTCCAGTGA  
 CATCTTCTTGGTGTGACAGCCAGCGTCTGCTACCTCTGGTTGGGAAGGGCTGTAATGGTGTGATCAGCGT  
 GAGATGGCAGGGTGGTGGTCACTGTCAATTTCCAGGAAGAATGAGGAAACGGTGTGAGGGTCCAGGAGC  
 CTCCCCACTTCTGGGAGGCCCTGGGAGGCCGGGCCCTACCCAGCAACAAGAGGCTCCCTGAGGAGGT  
 CCCCAGCTTCCAGCCACGACTGTTTGTGCTCCAGCCACATGGGCTGCCTGGTCCCTCGCAGAAGTGGGG  
 TTCTTCCAGCCAGGAGGACCTGGACAAGTATGACATCATGTTACTGGACACCTGGCAGGAGATCTTCTGT  
 GGCTTGGGGAAGCTGCAAGTGTGGAAGGAGGCGGTGGCCTGGGGCCAGGAGTACCTGAAGACTCACCC  
 AGCAGGGAGGAGCCCGGCCACACCCATCGTGTGGTCAAGCAGGGCCATGAGCCTCCACCTTATTGGA  
 TGGTCTTCACTTGGGACCCCTACAAGTGGACTAGCCACCCGTCACCAAGGAAGTGGTGGATGGCAGCC  
 CGGCAGCAGCATCAACATCTCTGAGATAACAGCAGAAGTCAACAACCTTCCGGCTATCCAGATGGCCGG  
 CAATGGCAGGGCAGGTGCCGTGGCCCTGCAGGCCCTCAAGGGCTCCAGGACAGCTCAGAGAATGATCTG  
 GTGCGAAGCCCCAAGTCGGCTGGCAGCAGAACCAGCAGCTCCGTACGACAGCACCAGCGCCACGATCAACG  
 GGGCCTGCGCCGGAACTGATGCACCAGGCTGTTGAGGACCTGCCAGAGGGCGTGGACCCTGCCCCG  
 CAGGGAGTTCTATCTCTCAGACTCTGACTTCCAAGATATCTTTGGGAAATCCAAGGAGGAATTCTACAG  
 ATGGCCACGTGGAGGCAGCGGCAGGAGAAAAAGCAGCTGGGCTTCTTC

**ACGCGTACGCGGCCGCTCGAG** – GFP Tag – GTTTAA

**Protein Sequence:** >RG215217 representing NM\_015873  
Red=Cloning site Green=Tags(s)

MDISKGLPGMQGGLHIWISENRKMVPVPEGAYGNFFEEHCYVILHVPQSPKATQGASSDLHYWVGKQAGA  
EAQGAAEAFQRLQDELGGQTVLHREAQGHESDCFCSYFRPGIIRKGGGLASDLKHVETNLFNIQRLLHI  
KGRKHVSATEVELSWNSFNKGDIFLLDLGKMMIQWNGPKTISEKARGLALTYSLRDRERGGGRAQIGVV  
DDEAKAPDLMQIMEAVLGRRVGSRAATPSKDIQLQKANVRLYHVYKGGKDLVLELATPPLTQDLLQE  
EDFYILDQGGFKIYVWQGRMSSLQERKAAFRAVGFIAKGYPTYTNVEVVNDGAESAFAFKQLFRTWSEK  
RRRNQKLGGRDKSIHVKLDVGLHTQPKLAAQLRMVDDGSGKVEVWCIQDLHRQPVPDKRHGQLCAGNCY  
LVLTYTQRLGRVQYILYLWQGHQATADEIEALNSNAEELDVMYGGVLVQEHVTMGSEPPHFLAIFQGQLV  
IFQERAGHHGKQSASTTRLFQVQGTDSHNTRTMEVPARASSLNSSDIFLLVTASVCYLWFGKGCNGDQR  
EMARVVVTVISRKNEETVLEGQEPHFWEALGGRAPYPSNKRLPEEVPSFQPRLFECSSHMGLVLAEVG  
FFSQEDLDKYDIMLLDTWQEIFLWLGEAASEWKEAVAWGQEYLKTHPAGRSPATPIVLVKQGHPPPTFIG  
WFFTWDPYKWTSHPSHKEVVDGSPAAASTISEITAEVNNLRLSRWPGNGRAGAVALQALKGSQDSSNDL  
VRSPKSAGSRTSSSVSSTSATINGGLRREQLMHQAVEDLPEGVDPARREFYLSDSDFQDIFGKSKEEFYS  
MATWRQRQEKKQLGFF

TRTRPLE - GFP Tag - V

**Restriction Sites:** Sgfl-MluI



**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\\_015873.3](#), [NP\\_056957.3](#)

**RefSeq Size:** 2787 bp

**RefSeq ORF:** 2571 bp

**Locus ID:** 50853

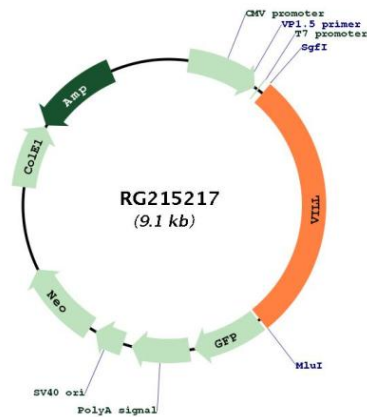
**UniProt ID:** [O15195](#)

**Cytogenetics:** 3p22.2

**Domains:** VHP, GEL, Gelsolin

**Gene Summary:** The protein encoded by this gene belongs to the villin/gelsolin family. It contains 6 gelsolin-like repeats and a headpiece domain. It may play a role in actin-bundling. [provided by RefSeq, Jul 2008]

### Product images:



Circular map for RG215217