

Product datasheet for **RG211089**

VWC2 (NM_198570) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	VWC2 (NM_198570) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	VWC2
Synonyms:	PSST739; UNQ739
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG211089 representing NM_198570 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGCCAGCTCCACTGCGATGGCAGTTGGCGCGCTCTCCAGTTCCTCCTGGTCACCTGCTGCCTGATGG
TGGCTCTGTGCAGTCCGAGCATCCCGCTGGAGAAGCTGGCCAGGCACCAGAGCAGCCGGGCCAGGAGAA
GCGTGAGCACGCCTCTCGGGACGGCCCGGGCGGGTGAACGAGCTCGGGCGCCCGCGAGGGACGAGGGC
GGCAGCGCCGGGACTGGAAGAGCAAGAGCGGCCGTGGGCTCGCCGGCCGTGAGCCGTGGAGCAAGCTGA
AGCAGGCCTGGGTCTCCAGGGCGGGGGCGCAAGGCCGGGGATCTGCAGTCCGGCCCCGCGGGGACAC
CCCGCAGGCGGAAGCCCTGGCCGACGCCCCAGGACGCGATTGGCCCGAACTCGCGCCACGCCCGAG
CCACCCGAGGAGTACGTGTACCCGGACTACCGTGGCAAGGGCTGCGTGGACGAGAGCGGCTTCGTGTACG
CGATCGGGGAGAAGTTCGCGCCGGGCCCTCGGCCTGCCCGTGCCTGTGCACCGAGGAGGGGCCGCTGTG
CGCGCAGCCCGAGTGCCCGAGGCTGACCCGCGCTGCATCCACGTCGACACGAGCCAGTGTGCCCGCAG
TGCAAGGAGAGGAAGAATACTGCGAGTTCGGGGCAAGACCTATCAGACTTTGGAGGAGTTCGTGGTGT
CTCCATGCGAGAGGTGTCGCTGTGAAGCCAACGGTGAAGTGTATGCACAGTGTGAGCGTGTCCCGAGC
GGAGTGTGTGGACCCTGTGTACGAGCCTGATCAGTGTGTCCATCTGCAAAAATGGTCCAAACTGCTTT
GCAGAAACCGCGGTGATCCCTGCTGGCAGAGAAGTGAAGACTGACGAGTGCACCATATGCCACTGTACTT
ATGAGGAAGGCACATGGAGAATCGAGCGCAGGCCATGTGCACGAGACATGAATGCAGGCAATG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >RG211089 representing NM_198570
 Red=Cloning site Green=Tags(s)

MPSSTAMAVGALSSSLLVTCCLMVALCSPSIPLEKLAQAPEQPGQEKREHASRDGPGRVNELGRPARDEG
 GSGRDWKS SGRGLAGREPWSKLQAWVSQGGGAKAGDLQVRPRGDTQAEALAAAQDAIGPELAPTPE
 PPEEYVYPDYRGKGCVDSESGFVYAIGEFAPGPSACPCLCTEEGPLCAQPECPRLHPRCIHVDTSQCCPQ
 CKERKNYCEFRGKTYQTLEEFVVSPCERCRCENGINEVLC TVSACPQTECVDPVYEPDQCCPICKNGPNCF
 AETAVIPAGREVKTDECTICHCTYEETWRIERQAMCTRHECRQM

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_198570

ORF Size: 975 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:

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_198570.5](#)

RefSeq Size: 1942 bp

RefSeq ORF: 978 bp

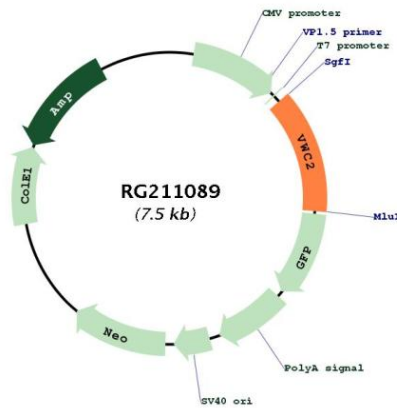
Locus ID: 375567

UniProt ID: [Q2TAL6](#)

Cytogenetics: 7p12.2

Gene Summary: This gene encodes a secreted bone morphogenic protein antagonist. The encoded protein is possibly involved in neural function and development and may have a role in cell adhesion. [provided by RefSeq, Oct 2009]

Product images:



Circular map for RG211089