

Product datasheet for **SC319368**

GRWD1 (NM_031485) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	GRWD1 (NM_031485) Human Untagged Clone
Tag:	Tag Free
Symbol:	GRWD1
Synonyms:	CDW4; GRWD; RRB1; WDR28
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene sequence for NM_031485.2
 GTTCGAAGATGGCGGCGCGCAAGGGTCGGCGTCGCACGTGTGAAACCGGGGAACCCATGG
 AAGCCGAGTCCGGCGACACAAGTTCCGAGGGCCCGGCCAGGTCTACCTGCCCGGGGG
 GGCCGCCGCTACGCGAAGGGGAGGAGCTGGTCATGGACGAGGAGGCTATGTGCTCTACC
 ACCGAGCGCAGACTGGCGCCCCCTGTCTCAGCTTTGACATAGTCCGGGATCACCTGGGAG
 ACAACCGGACAGAGCTTCTCTTACACTTACTTGTGTGCTGGGACCCAGGCTGAGAGCG
 CCCAGGCAACAGACTGATGATGCTTCGGATGCACAATCTGCATGGGACAAAGCCCCAC
 CCTCAGAGGGCAGTGATGAAGAAGAAGAGGAGGAAGATGAAGAGGATGAAGAAGAGCGGA
 AACCTCAGCTGGAGCTGGCCATGGTGCCCCACTATGGTGGCATCAACCGAGTTCGGGTGT
 CATGGCTGGTGAAGAGCCTGTGGCTGGGGTGTGGTCAGAGAAGGGCCAGGTGGAGGTGT
 TTGCGCTGCGGGGCTTCTGCAGGTGGTGGAGGAGCCCCAGGCCCTGGCAGCCTTCTCC
 GGGATGAGCAGGCCAAATGAAGCCCATCTTCTCCTTCGCTGGACACATGGGCGAGGGCT
 TTGCCCTTGACTGGTCCCCCGGGTGACCGGTGCCTGCTGACCGGTGACTGTCAAAGA
 ACATCCACCTCTGGACACCTACGGACGGCGGCTCTGGCACGTGGACCAGCGGCCATTCCG
 TGGGCCACACACGCTCTGTGGAGGACCTGCAGTGGTACCAGACTGAGAACACGGTGTG
 CCTCCTGCTCAGCTGACGCCTCCATCCGCATCTGGGACATCCGGGACGCCCCAGCAAGG
 CCTGCATGCTCACCACAGCCACCGCCCATGATGGGGACGTCAATGTCATCAGCTGGAGCC
 GCCGGGAGCCCTTCTGCTCAGTGGCGGGGATGATGGGGCCCTCAAGATCTGGGACCTTC
 GGCAGTTCAAGTCTGGTTCCTCAGTGGCCACCTTCAAGCAGCAGCTGGCCCCCGTGACCT
 CCGTCGAGTGGCACCCCCAGGACAGCGGGGTCTTTGCAGCCTCGGGTGCAGACCACCAGA
 TCACACAGTGGGACCTGGCAGTGGAGCGGGACCCTGAGGCGGGCAGCTGGAGGCCGACC
 CCGGACTGGCCGACCTCCCGCAGCAGCTGCTGTTCTGTCACACAGGCGGAGACCGAGCTGA
 AGGAGCTGCACCTGGCACCCCGCAGTGGCCAGGGCTCCTGGTGCAGCACGGCGCTGCAGGCT
 TCACCATCTTCCGCACCATCAGCGTCTGAGGCGTCCCACTGGCTCTGATCTTGCTTCTG
 CTTGAAACTGAAGTCAATTGGGCTCCCCTGGAAGGGGTTCAATCAGGTCTGTTGACTG
 AGACTGGCCGGCCTGTGGGCTGCCGTGATGGATTCTGTTTGACGTATTGTTCTCTAGAAG
 GCCTGGCTCTGATCCAGTGACCCCTCTACCAAAGAAGTCCGTTTAAACCAGGGCTCTGTA
 AGACCACTCCCACCCAGAGACTTGTGTGGCCTGGTGTGGCCTGTGTGCGGATTCCTTCC
 TGTGAGCTGTGACCCATTTGACCTGTGTCCCAGAACCCAGTTTTTTGTTTGTGTTGTTG
 AGACGGAGTCTTGGTCTGTGCGCCAGGCTGGAGTGCAGTGCAGCAGTCTTGGCTCACTGC
 AACCTCCGCTCTGGGTTAAAGTGATTCTCTCAGCTCAGTCTCCAGGTAGCTGGGATT
 ACAGGCATGTGCCACCACACCCCGTTAATTTTTGTATTTTGTAGTAGAGACGGGGTTTAC
 CATGTTGGCCAGGCTGGTCTCAAATTTGATCTCAAGTGATCTGTCCGCCCGGCTCC
 CAGAGTGTGGGTTGGGATTACAGGCGTGAGCCACCGCGTCCGGCTCAGGACCCAGTTTT
 GGCTGCTGGTTCACAGCAGGGGACTCGGGGGATATACAGTGGCTGCACCAAATTGGAGGT
 GTGGGTTCTCCAACACAATTTGCTTCTGCCCGTTGTCTTCTGCCAGCTGGGTTTGGCC
 AGGATTTCTCCGTGTGGGGGCTACATGCGACCCCTCCTCCCTCCTCCCTGACTTTAGAGGC
 TGGTGTGTGTCGGGAGGAAGGTCAGGGCTCCTGAGCAGCAATAAAGGACCAGGAAGAGG
 CCTGAGGTGTAACAAAAAAAAAAAAAAAAAAAAA

- Restriction Sites:** Please inquire
- ACCN:** NM_031485
- OTI Disclaimer:** Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
- OTI Annotation:** This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.

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:	<ol style="list-style-type: none">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:	<u>NM_031485.2</u> , <u>NP_113673.2</u>
RefSeq Size:	2414 bp
RefSeq ORF:	1341 bp
Locus ID:	83743
UniProt ID:	<u>Q9BQ67</u>
Cytogenetics:	19q13.33
Domains:	WD40
Gene Summary:	This gene encodes a glutamate-rich protein that contains five WD-repeat motifs. The encoded protein may play a critical role in ribosome biogenesis and may also play a role in histone methylation through interactions with CUL4-DDB1 ubiquitin E3 ligase. [provided by RefSeq, Feb 2012]