

Product datasheet for **RG238573**

CWF19L1 (NM_001303404) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CWF19L1 (NM_001303404) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	CWF19L1
Synonyms:	C19L1; hDrn1; SCAR17
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>RG238573 representing NM_001303404.
 Blue=ORF Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTGACTG
GATCCGGTACCGAGGAGATCTGCCGCCCGCATCGCC
ATGGCACAGAAACCGCTGCGCCTCTGGCTTGTGGAGATGTTGAAGGAAAGTTTGATATTTTATTCAAT
AGAGTTCAAGCAATTGAGAAGAAAAGTGGAAACTTTGATCTGCTGTTGTGTAGGAAATTTCTTTGGC
TCCACCCAAGATGCTGAATGGGAGGAGTAAAGACTGGCATCAAGAAAGCTCCTATTAGACATATGTG
CTTGGTGCTAATAACCAGGAAACAGTAAAAATTTCCAGGATGCTGATGGATGTGAATTAGCTGAAAAC
ATTACTTATCTGGGTCGTAAGGTATCTTCACTGGAAGCTCGGGGCTGCAGATTGTGACCTCAGTGGG
ACAGAATCCTTAAATGAGCCAGTACCAGGTTATAGTTTTAGTCCAAGGATGTGCTTCTCTGAGAATG
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GGGAACTTGGGAATTCTTCTGGAGAAGTGATACAAAAATGTGGTTCTGCTTTGGTTCCAGTCTT
GCCACGGGCTTGAACCAAGATACCATTTTCTGCTTTGGAAAAGACCTATTATGAGAGGCTTCCATAT
CGAAACCATATCATTCTACAGGAAAATGCACAGCATGCCACCCGTTTATAGCTCTGGCAAATGTTGGA
AATCCAGAAAAGAAAAGTATCTTTACGGTTCAGTATTGTTCCCATGAAGCTAAATGGATGCAGCAGAA
CTGGTAAAACAGCCTCCGGATGTCACTGAAAACCTTACAGAAAATCTGGGCAGGAAGCATCCATAGGA
AAGCAAATTTTGGCCCTGTGGAAGAATCAGCCTGTGAGTTTTTCTTTGATTTAAATGAAAAGCAGGGA
AGGAAGCGTTCATCCACAGGTAGAGATAGCAAATCTTCTCCTCATCCAAAGCAGCCTCGCAAACCTCCT
CAGCCTCCAGGACCCTGCTGGTTTTGCCTTGCTAGCCCTGAAGTGGAAAAACATTTGGTGGTCAACATC
GGCACACATTGCTACCTTGCCTGGCCAAAGGAGGCTTATCTGATGACCATGTCTCATCTGCCTATT
GGACACTACCAGTCAGTGGTGGAGCTTTCAGCAGAGGTGTTAGAAGAGGTGGAGAAGTATAAGGCCACT
CTGAGACGGTTCCTTAAGAGTCGAGGGAATGGTGTGTTGATTTGAGAGAAATTATAAGGCCATCAC
CTCCAGTACAGATTGCACAGCCAGGAGCAGCATATTTTTATGTTGAACCTTGACACAGGAGAAAAGCTT
TTCCACAGAATTA AAAAGAAATTTCTTTGCAAGTTTGAAGGGAGGTCCTGGCCAGTGAAGCCATCCTT
AATGTTCTGATAAGTCTGACTGGAGGCAGTGTGATGATGAGCAAGGAAGACGAGGAGACCCTGGCTCGC
CGCTTCCGAAAGACTTTGAGCCCTATGACTTTACTCTGGATGAC
AGCGGACCGACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAAAC
  
```

Protein Sequence:

>Peptide sequence encoded by RG238573
 Blue=ORF Red=Cloning site Green=Tag(s)

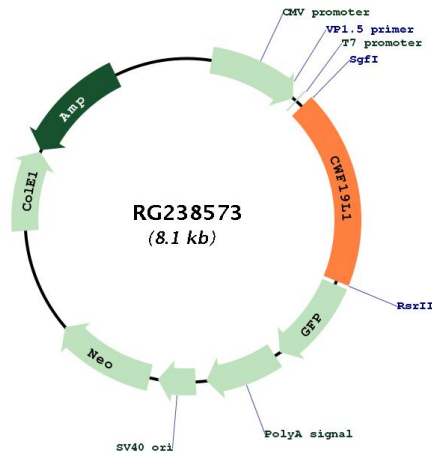
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MAQKPLRLLACGDVEGKFDILFNRVQAIQKKSNGFDLLL CVGNFFGSTQDAEWEEYKTGIKKAPIQTYV
LGANNQETVKYFQDADGCELAENITYLGRKGIFTGSSGLQIVYLSGTESLNEPVPVGYSFSPKDVSSLRM
MLCTTSQFKGVDILL TSPWPKCVGNFGNSSGEVDTKKCGSALVSSLATGLKPRYHFAALEKTYERLPY
RNHIILQENAQHATRFIALANVGNPEKKKYL YAFSIVPMKLMDAELVKQPPDV TENPYRKSQGEASIG
KQILAPVEESACQFFFDLNEKQGRKRSSTGRDSKSSPHPKQPRKPPQPPGPCWFCLASPEVEKHLVVNI
GTHCYLALAKGGLSDDHVLILPIGHYQSVVELSAEVVEEVEKYKATLRRFFKSRGWCVVFERNYKSHH
LQLQIAQPGAAYFYVELDTGKLFHRIKKNFPLQFGREVLASEAILNVPDKSDWRQCQISKEDEETLAR
RFRKDFEPYDFTLDD
SGPTRTRPLEMESDESGLPAMEIECRITGTLNGVEFELVGGEGTPEQGRMTNKMSTKGALTFSPYLL
SHVMGYGFYHFGTYPSTYENPFLHAINNGGYTNTRIEKYEDGGVLHVFSYRYEAGRVIGDFKVMGTGF
PEDSVIFTDKIIRS NATVEHLHPMGDNDLDGSFTRTFSLRDGGYSSVVD SHMHFKSAIHPSILQNGGP
MFAFRRVEEDHSNTELGIVEYQHAFKTPDADAGEERV
  
```

Restriction Sites:

Sgfl-RsrII

Plasmid Map:



ACCN: NM_001303404

ORF Size: 1494 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).

RefSeq: [NM_001303404.2](#)

RefSeq Size: 2533 bp

RefSeq ORF: 1497 bp

Locus ID: 55280

UniProt ID: [Q69YN2](#)

Cytogenetics: 10q24.31

MW: 56.6 kDa

Gene Summary: This gene encodes a member of the CWF19 protein family. Mutations in this gene have been associated with autosomal recessive spinocerebellar ataxia-17 and mild cognitive disability. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Dec 2014]