

Product datasheet for **RG200110**

CWF19L1 (NM_018294) Human Tagged ORF Clone

Product data:

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



ORF Nucleotide Sequence: >RG200110 representing NM_018294
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCGCGATCGCC

ATGGCACAGAAACCGCTGCGCCTCTTGCTTGTGGAGATGTTGAAGGAAAGTTTGATATTTTATTCAATA
 GAGTTCAAGCAATTCAGAAGAAAAGTGAAACTTTGATCTGCTGTTGTGTGTAGGAAATTTCTTTGGCTC
 CACCCAAGATGCTGAATGGGAGGAGTATAAGACTGGCATCAAGAAAGTTCTATTGAGACATATGTGCTT
 GGTGCTAATAACAGGAAACAGTAAATATTTCCAGGATGCTGATGGATGTGAATTAGCTGAAAACATTA
 CTTATCTGGGTCGTAAGGTATCTTCACTGGAAGCTCGGGGCTGCAGATTGTGTACCTCAGTGGGACAGA
 ATCCTTTAAATGAGCCAGTACCAGTTATAGTTTTAGTCCCAAGGATGTGTCTTCTCTGAGAATGATGCTG
 TGTACAACCTCCAGTTTAAGGGTGTGATATCTTGCTCACATCCCATGGCCCAAGTGTGTGGGAACT
 TTGGGAATTCTTCTGGAGAAGTGATACCAAAAAATGTGGTTCTGCTTTGGTTTCCAGTCTTGCCACGGG
 CTTGAAACCAAGATACCATTTTCTGCTTTGGAAAAGACCTATTATGAGAGGCTTCCATATCGAAACCAT
 ATCATTCTACAGGAAATGCACAGCATGCCACCCGGTTTATAGCTCTGGCAAAATGTTGGAATCCAGAAA
 AGAAAAAGTATCTTTACGCTTCAGTATTGTTCCCATGAAGCTAATGGATGCAGCAGAACTGGTAAACA
 GCCTCCGGATGTCAGTAAAACCTTACAGAAAATCTGGGCAGGAAGCATCCATAGGAAAGCAAATTCCT
 GCCCTGTGGAAGAATCAGCTGTCAAGTTTCTTTGATTTAAATGAAAAGCAGGGAAGGAAGCGTTCAT
 CCACAGGTAGAGATAGCAAACTTCTCCTCATCCAAAGCAGCCTCGCAAACTCCTCAGCCTCCAGGACC
 CTGCTGGTTTTGCTTGTAGCCCTGAAGTGGAAGAACATTTGGTGGTCAACATCGGCACACATTGCTAC
 CTTGCCCTGGCCAAAGGAGGCTTATCTGATGACCATGTCTCATCTGCTATTGGACACTACCACTCAG
 TGGTGGAGCTTTCAGCAGAGGTGGTAGAAGAGGTGGAGAAGTATAAGGCCACTCTGAGACGGTCTTTAA
 GAGTCGAGGGAATGGTGTGTGATTTGAGAGAAATTATAAGAGCCATCACCTCCAGCTACAGGTCATT
 CCTGTCCCAATCAGCTGCTCTACTACTGATGACATTAAGATGCCTTCATTACCCAGGCACAGGAGCAGC
 AGATAGAGCTGTTGGAATCCAGAGCACTCTGACATCAAGCAGATTGCACAGCCAGGAGCAGCATATTT
 TTATGTTGAAGTACACAGGAGAAAAGCTTTTCCACAGAATTAAGAAGATTTTCTTTGAGTTTGA
 AGGGAGGTCTCGCCAGTGAAGCCATCCTTAATGTTCTGATAAGTCTGACTGGAGGCAGTGTGAGATCA
 GCAAGGAAGACGAGGAGACCCTGGCTCGCCGCTTCGGGAAAGACTTTGAGCCCTATGACTTTACTCTGGA
 TGAC

AGCGGACCGACGCGTACGCGCGCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >RG200110 representing NM_018294
 Red=Cloning site Green=Tags(s)

MAQKPLRLACGDVEGKFDILFNRVQAIQKKSNGFDLLLCVGNFFGSTQDAEWEEYKTIKKVPIQTYVL
 GANNQETVKYFQDADGCELAENITYLGRKGIFTGSSGLQIVYLSGTESLNEPVPYGFSPKDVSSLRMML
 CTTTSQFKGVDILLTSPWPKCVGNFGNSSGEVDTKKCGSALVSSLATGLKPRYHFAALEKTYERLPYRNH
 IILQENAHATRFIALANVGNPEKKYL YAFSIVPMKLMDAELVKQPPDV TENPYRKSGQEASIGKQIL
 APVEESACQFFDLNEKQGRKRSSTGRDSKSSPHKQPRKPPQPPGPCWFCLASPEVEKHLV VNI GTHCY
 LALAKGGLSDDHVLILPIGHYQSVVELSAEVVEEVEKYKATLRRFFKSRGKWCVVFERNYKSHHLQLQVI
 PVPISCSSTDDIKDAFITQAQQIELLEIPEHSDIKQIAQPGAAYFYVELDTGEKLFHRIKKNFPLQFG
 REVLASEAILNVPDKSDWRQCQISKEDEETLARRFRKDFEPYDFTLDD

SGPTRRRLE - GFP Tag - V

Restriction Sites: SgfI-RsrII

Cloning Scheme:



ACCN: NM_018294

ORF Size: 1614 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.

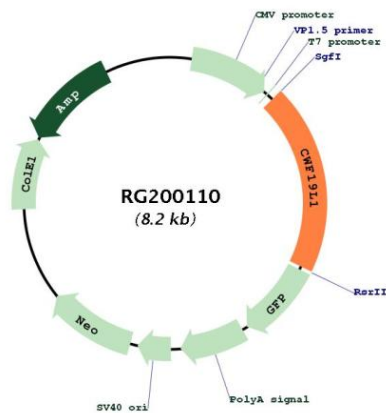
Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: [NM_018294.3](#), [NP_060764.2](#)

RefSeq Size: 2633 bp

RefSeq ORF:	1617 bp
Locus ID:	55280
UniProt ID:	Q69YN2
Cytogenetics:	10q24.31
Domains:	CwfJ_N_2, CwfJ_N_1
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]

Product images:



Circular map for RG200110