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Product datasheet for RG237989

CWF19L1 (NM_001303406) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CWF19L1 (NM_001303406) 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)

ORF Nucleotide Sequence:

>RG237989 representing NM_001303406.
Blue=ORF Red=Cloning site Green=Tag(s)

GCTCGTTTAGTGAACCGTCAGAATTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGATGCTGTGTACAACCTCCCAGTTTAAGGGTGTTGATATCTTGCTCACATCCCCATGGCCCAAGTGT
GTGGGGAACTTTGGGAATTCTTCTGGAGAAGTGGATACCAAAAAATGTGGTTCTGCTTTGGTTTCCAGT
CTTGCCACGGGCTTGAAACCAAGATACCATTTTGCTGCTTTGGAAAAGACCTATTATGAGAGGCTTCCA
TATCGAAACCATATCATTCTACAGGAAAATGCACAGCATGCCACCCGGTTTATAGCTCTGGCAAATGTT
GGAAATCCAGAAAAGAAAAAGTATCTTTACGCGTTCAGTATTGTTCCCATGAAGCTAATGGATGCAGCA
GAACTGGTAAAACAGCCTCCGGATGTCACTGAAAACCCTTACAGAAAATCTGGGCAGGAAGCATCCATA
GGAAAGCAAATTCTTGCCCCTGTGGAAGAATCAGCCTGTCAGTTTTTCTTTGATTTAAATGAAAAGCAG
GGAAGGAAGCGTTCATCCACAGGTAGAGATAGCAAATCTTCTCCTCATCCAAAGCAGCCTCGCAAACCT
CCTCAGCCTCCAGGACCCTGCTGGTTTTGCCTTGCTAGCCCTGAAGTGGAAAAACATTTGGTGGTCAAC
ATCGGCACACATTGCTACCTTGCCCTGGCCAAAGGAGGCTTATCTGATGACCATGTCCTCATCCTGCCT
ATTGGACACTACCAGTCAGTGGTGGAGCTTTCAGCAGAGGTGGTAGAAGAGGTGGAGAAGTATAAGGCC
ACTCTGAGACGGTTCTTTAAGAGTCGAGGGAAATGGTGTGTTGTATTTGAGAGAAATTATAAGAGCCAT
CACCTCCAGCTACAGGTCATTCCTGTCCCAATCAGCTGCTCTACTACTGATGACATTAAAGATGCCTTC
ATTACCCAGGCACAGGAGCAGCAGATAGAGCTGTTGGAAATCCCAGAGCACTCTGACATCAAGCAGATT
GCACAGCCAGGAGCAGCATATTTTTATGTTGAACTTGACACAGGAGAAAAGCTTTTCCACAGAATTAAA
AAGAATTTTCCTTTGCAGTTTGGAAGGGAGGTCCTGGCCAGTGAAGCCATCCTTAATGTTCCTGATAAG
TCTGACTGGAGGCAGTGTCAGATCAGCAAGGAAGACGAGGAGACCCTGGCTCGCCGCTTCCGGAAAGAC
TTTGAGCCCTATGACTTTACTCTGGATGAC
AGCGGACCGACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAAAC

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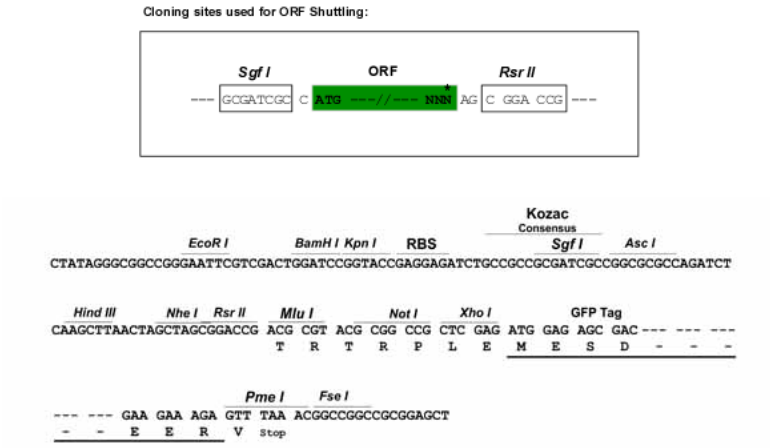
Protein Sequence:

>Peptide sequence encoded by RG237989
Blue=ORF Red=Cloning site Green=Tag(s)

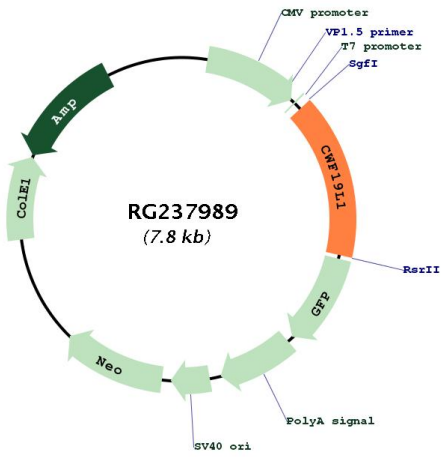
MMLCTTSQFKGVDILLTSPWPKCVGNFGNSSGEVDTKKCGSALVSSLATGLKPRYHFAALEKTYYERLP
YRNHIILQENAQHATRFIALANVGNPEKKKYLYAFSIVPMKLMDAAELVKQPPDVTENPYRKSGQEASI
GKQILAPVEESACQFFFDLNEKQGRKRSSTGRDSKSSPHPKQPRKPPQPPGPCWFCLASPEVEKHLVVN
IGTHCYLALAKGGLSDDHVLILPIGHYQSVVELSAEVVEEVEKYKATLRRFFKSRGKWCVVFERNYKSH
HLQLQVIPVPISCSTTDDIKDAFITQAQEQQIELLEIPEHSDIKQIAQPGAAYFYVELDTGEKLFHRIK
KNFPLQFGREVLASEAILNVPDKSDWRQCQISKEDEETLARRFRKDFEPYDFTLDD
SGPTRTRPLEMESDESGLPAMEIECRITGTLNGVEFELVGGGEGTPEQGRMTNKMKSTKGALTFSPYLL
SHVMGYGFYHFGTYPSGYENPFLHAINNGGYTNTRIEKYEDGGVLHVSFSYRYEAGRVIGDFKVMGTGF
PEDSVIFTDKIIRSNATVEHLHPMGDNDLDGSFTRTFSLRDGGYYSSVVDSHMHFKSAIHPSILQNGGP
MFAFRRVEEDHSNTELGIVEYQHAFKTPDADAGEERV

Restriction Sites: SgfI-RsrII

Cloning Scheme:



Plasmid Map:



ACCN:	NM_001303406
ORF Size:	1203 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_001303406.2
RefSeq Size:	2387 bp
RefSeq ORF:	1206 bp
Locus ID:	55280
UniProt ID:	Q69YN2
Cytogenetics:	10q24.31
MW:	46 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]