

Product datasheet for **RG219061**

CC2D1B (NM_032449) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	TurboGFP
Symbol:	CC2D1B
Mammalian Cell	Neomycin
Selection:	
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



ORF Nucleotide Sequence: >RG219061 representing NM_032449
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCGCGATCGCC

ATGATGCCAGGGCCAAGACCTCGGAAGGGCCCTCAGGCCAGAGGCCAAGGGGTGGCCGCTGCCAAGCAGA
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 CCTGGAGGCTGAGCTGCTGGCTCTCACAGGGGAAGCACAACCCACAGGCAAGAAGCCAGCACCCAAAGGGG
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 CCTGGATGGAAGGAAGCCACCGGGGGGAAGCTGGAGGTGAAGGTGAGGCTGCGGGAGCCTCTGAGTGGC
 CAGGATGTGCAGATGGTCACTGAGAACTGGCTGGTTCTGGAGCCCAGGGGCTTG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>RG219061 representing NM_032449

Red=Cloning site Green=Tags(s)

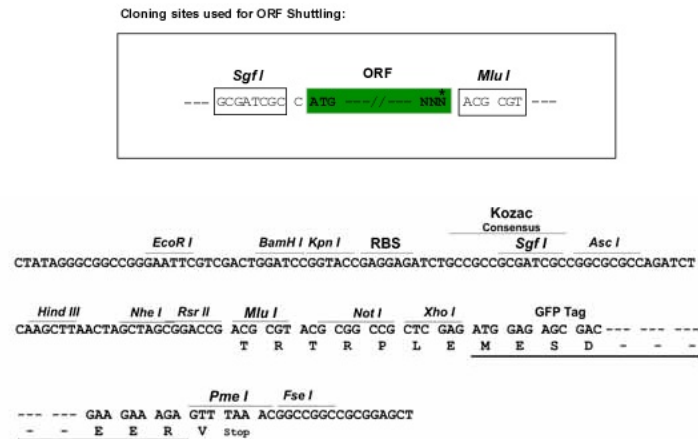
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QAPLMAHIEKLAADCMRDVEEEEEEGLEEDAELLTELQEVLGVEETEPLDGEVADPGGSEEENGLE
DTEPPVQTAVLTASAPAAQAGASQGLHALLEERIHNYREAAASAKEAGEAAKARRCERGLKTLESQLASV
RRGRKINDEIPPPVALGKRPLAPQEPANRSPETDPPAPPALESDNPSQPETSLPGISAQPVSDLPDPR
ALLSSRQREYKVAALSAKRAGELDRARELMRIGKRFQVLEALEKGQPVLDL SAMPAPEDLKPQQASQAP
TAPSVIPPAVERVQPVMPADVPATPVAPTESQTVLDALQQRLNKYREAGIQARSGGDERKARMHERIAKQ
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EQAKAYLRVAKWLEAQIIQARSGRPVDLSKVPSPLTDEEGDFILIHEDLRLSQKAEVYVYQLQKMLLEQ
QEKCLLFSKQFMHQGNVAETTRFEKLAQDRKKQLEILQLAQAGLDPPTHHFELKTFQTVRIFSELNSTE
MHLIIVRGMNLPAPPGVTPDDLDVRFEFHYPNSDQAQKSKTAVVKNTNSPEFDQLFKNINRNHRGFK
RVIQSGKIGKFEIFHKGSFFRSKDLVGTAKHLKLERLENECEIREIVEVL DGRKPTGGKLEVKVRLREPLSG
QDVQMYTENWLVLEPRGL

TRTRPLE - GFP Tag - V

Restriction Sites:

SgfI-MluI

Cloning Scheme:



ACCN:

NM_032449

ORF Size:

2574 bp

OTI Disclaimer:

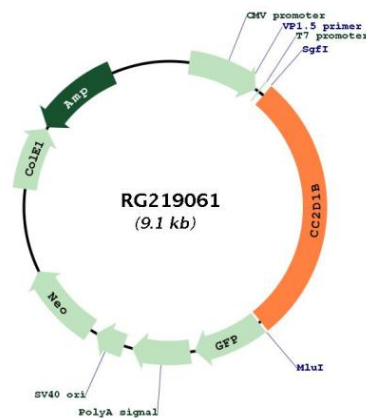
The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in 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_032449.2
RefSeq Size:	5639 bp
RefSeq ORF:	2577 bp
Locus ID:	200014
UniProt ID:	Q5T0F9
Cytogenetics:	1p32.3
Gene Summary:	Transcription factor that binds specifically to the DRE (dual repressor element) and represses HTR1A gene transcription in neuronal cells.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RG219061