

Product datasheet for **MG209260**

Cc2d1a (BC016188) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Cc2d1a (BC016188) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Cc2d1a
Synonyms:	MGC38983, MGC27560
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>MG209260 representing BC016188
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGAGCGGTACCATGTGGCTGCAGCCCAGGCCAAGGCAAGGGTGACCAGCGGAAGGCACGCATGCATG
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 ACCTGGTGGAGAGCGAGCTGCAGCGACTCCGCAGG

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence:

>MG209260 representing BC016188
 Red=Cloning site Green=Tags(s)

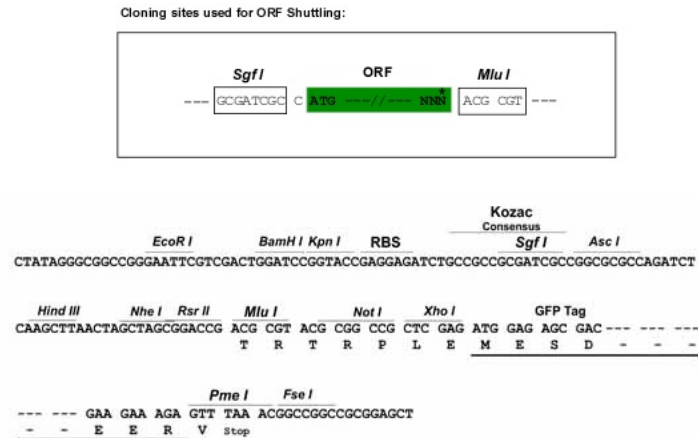
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 LSVLAFDQERLERKILALRQARRPVPPEVAQQYQDVVQRSQWQRAQLEQGGAALRREYASHLERQLHFY
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TRTRPLE – GFP Tag – V

Restriction Sites:

SgfI-MluI

Cloning Scheme:

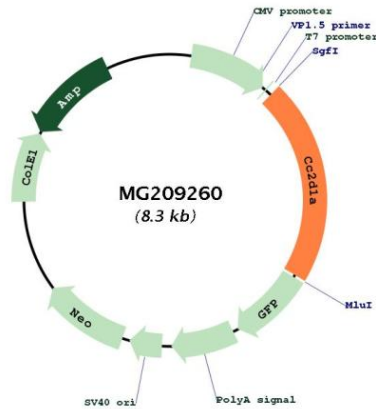


ACCN:	BC016188
ORF Size:	1785 bp
OTI Disclaimer:	The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own 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:	BC016188 , AAH16188
RefSeq Size:	3349 bp
RefSeq ORF:	1787 bp
Locus ID:	212139

Cytogenetics: 8 C2

Gene Summary: Transcription factor that binds specifically to the DRE (dual repressor element) and represses HTR1A gene transcription in neuronal cells. The combination of calcium and ATP specifically inactivates the binding with FRE. May play a role in the altered regulation of HTR1A associated with anxiety and major depression. Mediates HDAC-independent repression of HTR1A promoter in neuronal cell. Performs essential function in controlling functional maturation of synapses.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MG209260