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Product datasheet for MG217017

C1qtnf4 (NM_026161) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	C1qtnf4 (NM_026161) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	C1qtnf4
Synonyms:	0710001E10Rik; 9430004J15Rik; CTRP4
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)

ORF Nucleotide Sequence:

>MG217017 representing NM_026161
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGCTGCTGCTCTTGCTGGGCTTCCTAGGCCCGGCGGCCTGCTGGGCACTGGGCCCGGCTGGCCCTGGCT
CCTCGGAGCTGCGGTCAGCCTTCTCGGCGGCTCGCACCACCCCGCTGGAGGGCACGTCGGAGATGGCGGT
GACCTTCGACAAGGTGTACGTGAACATCGGGGGTGACTTCGACGCAGCCACCGGGCGGTTCCGCTGTCGC
GTGCCGGGCGCCTACTTCTTCTCCTTCACGGCCGGCAAGGCCCCGCACAAGAGCCTGTCGGTGATGCTGG
TGCGCAACCGCGACGAGGTGCAGGCGCTGGCTTTCGACGAGCAGCGACGGCCAGGCGCGCGGCGCGGC
CAGCCAGAGCGCCATGCTGCAGCTCGACTACGGCGACACGGTGTGGCTGCGGCTGCACGGCGCTCCGCAG
TACGCGCTCGGCGCGCCGGGCGCCACCTTCAGCGGCTACCTGGTGTACGCGGACGCCGACGCCGACGCGC
CTGCGCGCGGCCCCGCGGCCCCGGAGCCGCGCTCGGCCTTCTCCGCGGCGCGCACGCGCAGCCTGGTGGG
CTCGGACGCCGCCCCCGGCCCGCGCCACCGGCCGTTGGCCTTCGACACCGAGCTGGTAAACATAGGTGGC
GACTTCGACGCGGCGGCCGGCGTGTTCCGCTGCCGCCTGCCGGGAGCCTATTTCTTCTCCTTCACGCTGG
GCAAGCTGCCGCGCAAGACGCTGTCGGTGAAGCTGATGAAGAACCGCGACGAGGTGCAGGCCATGATTTA
CGACGACGGCGCTTCGAGGCGCCGTGAGATGCAGAGTCAGAGCGTGATGCTGCCGCTGCGGCGCGGCGAC
GCCGTCTGGCTACTTAGCCACGATCACGATGGCTATGGCGCCTACAGCAACCACGGCAAGTACATCACTT
TCTCAGGCTTCCTGGTGTACCCTGACCTCGCCGCCGCCGGCCCGCCGGCCCTCAAGCCCCCAGAGCTC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

View online »

Protein Sequence:

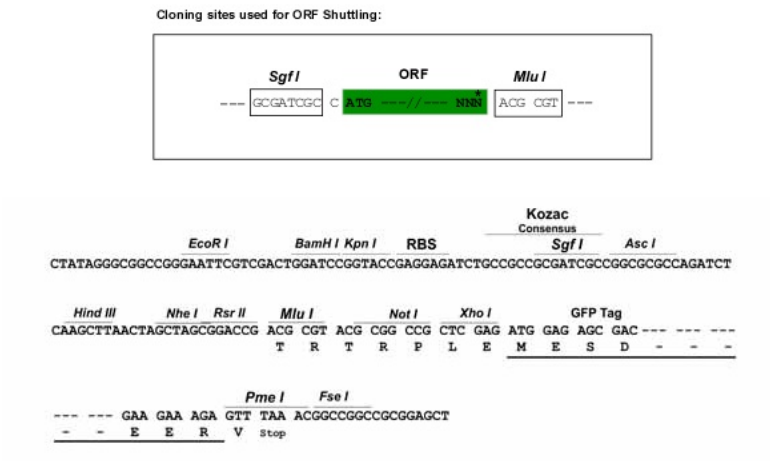
>MG217017 representing NM_026161
Red=Cloning site Green=Tags(s)

MLLLLLGFLGPAACWALGPAGPGSSELRSAFSAARTTPLEGTSEMAVTFDKVYVNIGGDFDAATGRFRCR
VPGAYFFSFTAGKAPHKSLSVMLVRNRDEVQALAFDEQRRPGARRAASQSAMLQLDYGDTVWLRLHGAPQ
YALGAPGATFSGYLVYADADADAPARGPAAPEPRSAFSAARTRSLVGSDAAPGPRHRPLAFDTELVNIGG
DFDAAAGVFRCRLPGAYFFSFTLGKLPRKTLSVKLMKNRDEVQAMIYDDGASRRREMQSQSVMLPLRRGD
AVWLLSHDHDGYGAYSNHGKYITFSGFLVYPDLAAAGPPALKPPEL

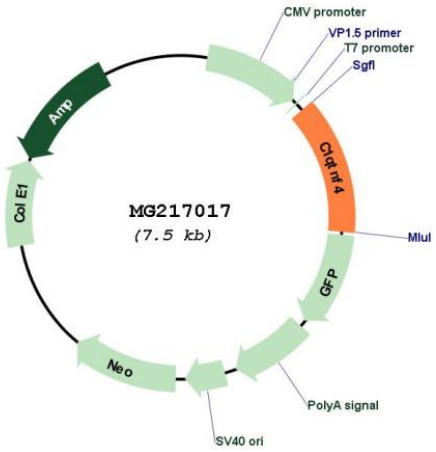
TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_026161

ORF Size: 978 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.
RefSeq:	NM_026161.3, NP_080437.2
RefSeq Size:	1383 bp
RefSeq ORF:	981 bp
Locus ID:	67445
UniProt ID:	Q8R066
Cytogenetics:	2 E1
Gene Summary:	May be involved in the regulation of the inflammatory network. The role as pro- or anti-inflammatory seems to be context dependent (By similarity). Seems to have some role in regulating food intake and energy balance when administered in the brain. This effect is sustained over a two-day period, and it is accompanied by decreased expression of orexigenic neuropeptides in the hypothalamus 3 h post-injection (Probable). [UniProtKB/Swiss-Prot Function]