

Product datasheet for **RG222518**

C1orf38 (THEMIS2) (NM_001039477) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids

Product Name: C1orf38 (THEMIS2) (NM_001039477) Human Tagged ORF Clone

Tag: TurboGFP

Symbol: C1orf38

Synonyms: C1orf38; ICB-1; ICB1

Mammalian Cell Selection: Neomycin

Vector: pCMV6-AC-GFP (PS100010)

E. coli Selection: Ampicillin (100 ug/mL)

ORF Nucleotide Sequence: >RG222518 representing NM_001039477
Red=Cloning site Blue=ORF Green=Tags(s)

TTTGTAAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGAGCCGGTGCCGCTGCAGGACTTCGTGCGCGCCTTGGACCCCGCTCCCTCCCGCGCGTGCTGCGGG
TCTGCTCGGGGTCTACTTCGAGGGCTCCATCTATGAGATCTCTGGGAATGAGTGCTGCCTCTCCACGGG
GGACCTGATCAAGGTCACCCAGGTCCGCTCCAGAAGGTGGTCTGTGAGAACCCGAAGACCAGCCAGACC
ATGGAGCTCGCCCCAACTTCCAGGTCTTCTCAAGTCTTAGGATTGCAGCAACACGCTCGGCTGCCCAAA
CCCAAGGCGAAGACCTTGCCAGAGTTCATCAAGGATGGCTCCAGTACGTACAGCAAGATTCTGCCACA
GGAAGGGCCACAGGCCCGC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >RG222518 representing NM_001039477
Red=Cloning site Green=Tags(s)

MEPVPLQDFVRALDPASLPRVLRVCSGVYFEGSIYEISGNECCLSTGDLIKVTQVRLQKVVCCENPKTSQT
MELAPNFQVFSSRLIAATRSAAQTQGEDLARVHQWLQYVQQDSCPQEGPQAR

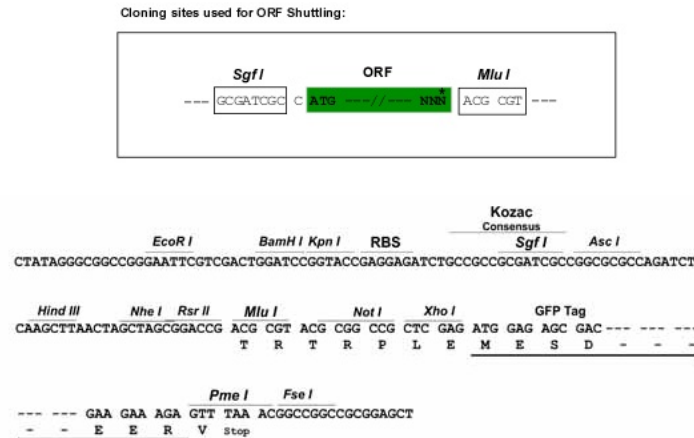
TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI



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Cloning Scheme:



ACCN: NM_001039477

ORF Size: 369 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.

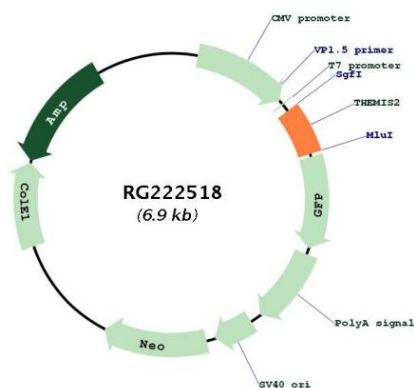
RefSeq: [NM_001039477.2](#)

RefSeq Size: 1236 bp

RefSeq ORF: 372 bp

Locus ID: 9473
UniProt ID: [Q5TEJ8](#)
Cytogenetics: 1p35.3
Gene Summary: May constitute a control point in macrophage inflammatory response, promoting LPS-induced TNF production.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RG222518