

Product datasheet for **RG219127**

Clorf38 (THEMIS2) (NM_004848) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	TurboGFP
Symbol:	Clorf38
Synonyms:	Clorf38; ICB-1; ICB1
Mammalian Cell	Neomycin
Selection:	
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)

ORF Nucleotide Sequence: >RG219127 representing NM_004848
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGGAGCCGGTGCCGCTGCAGGACTTCGTGCGCGCCTTGGACCCCGCCTCCCTCCGCGCGTGCTGCGGG
TCTGCTCGGGGGTCTACTTCGAGGGCTCCATCTATGAGATCTCTGGGAATGAGTGCTGCCTCTCCACGGG
GGACCTGATCAAGGTCACCCAGGTCGCCCTCCAGAAGGTGGTCTGTGAGAACCCGAAGACCAGCCAGACC
ATGGAGCTCGCCCCAACTTCCAGGGCTACTTCACCCCTCAACACCCACAGAGCTATGAAACCCTGG
AGGAGCTGGTCTCTGCCACAACCTCAGAGCTCCAAGCAGCTGCCCACTTGCTTCATGTCGACCCACAGGAT
TGTCACAGAGGGCAGGGTGGTGAAGTGAAGGACGAGCTCCTCATGCTTGAGGCTGTGGTGATGCACCTCGGG
ATCCGCTCTGCCGCTGTGCTGGGATGGAGGTCAGCAGGTTCATCCTGCACCTGCCCCATCCAGAG
AGGGGCCCTTCTGGACATGGGAGCCTAGTGGCCCTCGAAGTCTGCTCCAGGTCTACAGGATCCAGCCCT
GAAAGACCTCGTCTCAGCTGCCCCACCTGCCCTGGCATTCCCTGATCCTGCGGCCCCAGTATGAGATC
CAAGCCATCATGCACATCTTCTCAAGTCTTAGGATTGCAGCAACAGCTCGGCTGCCCAAACCAAGGCC
AAGACCTTGCCAGAGTTCATCAAGGATGGCTCCAGTACGTACAGCAAGATTCCTGCCACAGGAAGGGCC
ACAGGCCCGC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



Protein Sequence: >RG219127 representing NM_004848
Red=Cloning site Green=Tags(s)

MEPVPLQDFVRALDPASLPRVLRVCSGVYFEGSIYEISGNECCLSTGDLIKVTQVRLQKVVENCNPKTSQT
MELAPNFQGYFTPLNTPQSYETLEELVSATTQSSKQLPTCFMSTHRIIVTEGRVVTEDQLLMLEAVVMHLG
IRSARCVLGMGQQVILHLPLSQKGPFWTWEPSAPRTLLQVLQDPALKDLVLTCPPLPWHSLILRPQYEI
QAIMHIFSSLRIAATRSAAQTQGEDLARVHQWLQYVQQDSCPQEGPQAR

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_004848

ORF Size: 780 bp

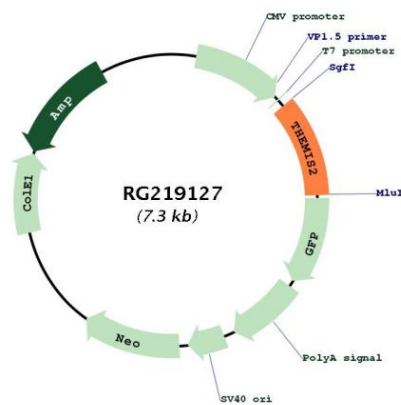
OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially 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:	<u>NM_004848.3</u>
RefSeq Size:	2366 bp
RefSeq ORF:	783 bp
Locus ID:	9473
UniProt ID:	<u>Q5TEJ8</u>
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 RG219127