

## Product datasheet for **SC117095**

### **C1orf38 (THEMIS2) (NM\_004848) Human Untagged Clone**

#### Product data:

Product Type:	Expression Plasmids
Product Name:	C1orf38 (THEMIS2) (NM_004848) Human Untagged Clone
Tag:	Tag Free
Symbol:	C1orf38
Synonyms:	C1orf38; ICB-1; ICB1
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_004848, the custom clone sequence may differ by one or more nucleotides

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ATGGAGCCGGTGCCGCTGCAGGACTTCGTGCGCGCCTTGACCCCGCCTCCCTCCCAGCGGTGCTGCGGG
TCTGCTCGGGGGTCTACTTCGAGGGCTCCATCTATGAGATCTCTGGGAATGAGTGCTGCCTCTCCACGGG
GGACCTGATCAAGGTCACCCAGGTCCGCTCCAGAAGGTGGTCTGTGAGAACCCGAAGACCAGCCAGACC
ATGGAGCTCGCCCCAACTTCCAGGGCTACTTCACCCCTCAACACCCACAGAGCTATGAAACCTGG
AGGAGCTGGTCTCTGCCACAACCTCAGAGCTCAAGCAGCTGCCACTTGCTTCATGTCGACCCACAGGAT
TGTCACAGAGGGCAGGGTGGTGACTGAGGACCAGCTCCTCATGCTTGAGGCTGTGGTGATGCACCTCGGG
ATCCGCTCTGCCGCTGTGCTCTGGGCATGGAGGGTCAGCAGGTCATCCTGCACCTGCCCTATCCCAGA
AGGGGCCCTTCTGGACATGGGAGCCTAGTGCCCTCGAACTCTGCTCCAGGTCTACAGGATCCAGCCCT
GAAAGACCTCGTCTCACCTGCCCCACCCTGCCCTGGCATTCCCTGATCCTGCGGCCCCAGTATGAGATC
CAAGCCATCATGCACATCTTCTCAAGTCTTAGGATTGCAGCAACACGCTCGGCTGCCAAACCCAAGGCG
AAGACCTTGCCAGAGTTCATCAAGGATGGCTCCAGTACGTACAGCAAGATTCTGCCACAGGAAGGGCC
ACAGGCCCGCTAA
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<b>5' Read Nucleotide Sequence:</b>	<p>&gt;OriGene 5' read for NM_004848 unedited            TAGAGTTCAAATTTGTATACGACTCACTATAGGCGGCCGGAATTCGCACGAGTGTGAC            CCACAGNATTGTCACAGAGGGCAGGGTGGTGACTGAGGACCAGCTCCTCATGCTTGAGGC            TGTGGTGATGCACCTCGGGATCCGCTCTGCCCCGTGTGCTCTGGGCATGGAGGGTCAGCA            GGTTCATCTGCACCTGCCCTATCCCAGAAGGGGCCCTTCTGGACATGGGAGCCTAGTGC            CCTCGAACTCTGCTCCAGGTCTACAGGATCCAGCCCTGAAAGACCTCGTCCTCACCTG            CCCCACCCTGCCCTGGCATTCCCTGATCCTGCGGCCCCAGTATGAGATCCAAGCCATCAT            GCACATGCGCAGGACCATTGTCAAGATCCCTTCTACCCTGGAGGTCGACGTGGAGGACGT            CACCGCCTCCTCCCGGCACGTCCACTTTATCAAACCGCTGCTGCTGAGCGAGGTCCTGGC            CTGNGAAGGCCCTTTCCCCCTGTCCATGGAGATCCTGGAGGTTCTGAGGGCCGCCCAT            CTTCTCAGCCCGTGNGTGGGCTCCTTGCANAAAGGCCAGAGGCTTTGCGTCTATGGCCT            AGCCTCACCACCCTGGCGGGTCTGGCCTCAAGCAAGGGCCGCAAGGTGCCCAGGCACTT            CCTGGTGTGAGGGGGCTACCAAGCAAGCTGCGGGCGGCCAAGGGAGTTCCCCACGGC            CTATGACCTCCTNAGTGCTTTCCAGCCAGGCCGCGCCACTCCGGGTGGTGGCCACAAGGAC            TGTGAGGGCCNAGAGGGAGAGAATCCCGAGTACGTCCCTGGCTGTGGGTGACCGGCNNT            GAGTGGCTGGGCCTGGCCAGGCCATGGGGCCAGGGAGTGACTTGATGTCTTGTTGTG            ACCG</p>
<b>3' Read Nucleotide Sequence:</b>	<p>&gt;OriGene 3' read for NM_004848 unedited            TTTTTTTTTTTTTTTTACATTCATAAAAAAGCTCAGGTGTCATTTTTATTCTGGGGTTT            TAAATGAAATAATCTTGGTTAGTCACTTACAACCTTACGACTTTAACACCTGATGAA            ACCTACAGTTTCTGCAGCCTCAGGTCTCCATAAGGGTCTTCTTAAATTGGCTCCTCTCA            TTTCAACCACAGCTTTTGGGGCCCAAGGTCTAAGGTTGTGTTCTTGAAGCCAAATTCCC            ACATTAATCCATGTTAACACATGTGGTTAAACCCTGTTTACCATATACAGATCTATCA            GGCTTGGTGCTACAGAGATGAGGAAGACAGTCCAGGCCTCCCGGGGGCTTAAAGCTTGGG            GGTGAGAGTGGGGGTGGCAAACGTTAACAAAATCTCCCATGCAGTGTGATCAGCATTGGC            ACTGCGTGTGTACCAAGGTTGATGGCCTCGGATTCCCTCTGCATCCACCGGTGGGA            CAGCTGGGGTTGCAGGATTGAGAGGAACCTGCCAGCTGCTCTGCATCCCAAGGCTCTGA            GGCTGAGGGAGTCACGTGC</p>
<b>Restriction Sites:</b>	NotI-NotI
<b>ACCN:</b>	NM_004848
<b>Insert Size:</b>	2380 bp
<b>OTI Disclaimer:</b>	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"> <li>1. Centrifuge at 5,000xg for 5min.</li> <li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li> <li>3. Close the tube and incubate for 10 minutes at room temperature.</li> <li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li> <li>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.</li> </ol>
<b>RefSeq:</b>	<u><a href="#">NM_004848.1</a></u> , <u><a href="#">NP_004839.1</a></u>

RefSeq Size: 2366 bp

RefSeq ORF: 855 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]  
Transcript Variant: This variant (1) lacks an coding exon, as compared to variant 3. The resulting isoform (1) has a much shorter and distinct C-terminus, compared to isoform 3.  
Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.