

Product datasheet for **RC228324**

TICAM2 (TMED7-TICAM2) (NM_001164468) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	Myc-DDK
Symbol:	TICAM2
Synonyms:	MyD88-4; TICAM-2; TICAM2; TIRAP3; TIRP; TRAM
Mammalian Cell	Neomycin
Selection:	
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

ORF Nucleotide Sequence: >RC228324 representing NM_001164468
Red=Cloning site Blue=ORF Green=Tags(s)

TTTGTGAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGC**

ATGCCGCGCGCGGGTCCGCGCAGCGCTGGGCGGCCGTCGCGGGCCGTTGGGGTGCAGGCTGCTCGCAC
TGCTGCTACTGGTGCCTGGACCCGGCGGCCCTCTGAGATCACCTTCGAGCTTCTGACAACGCCAAGCA
GTGCTTCTACGAGGACATCGCTCAGGGCACCAAGTGCACCTGGAGTTCAGGTGATTACTGGTGGTCAC
TATGATGTAGATTGTCGATTAGAAGATCTGATGGTAAAGTGTTATACAAGAGATGAAGAAACAGTATG
ATAGTTTTACCTTCACAGCCTCCAAAAATGGGACATACAAATTTTGCTTCAGCAATGAATTTTCTACTTT
CACACATAAACTGTATATTTTGATTTTCAAGTTGGAGAAGACCCACCTTTGTTTCTAGTGAGAACCGA
GTCAGTGCTCTTACCCAGATGGAATCTGCCTGTGTTTCAATTCACGAAGCTCTGAAGTCTGTCATCGATT
ATCAGACTCATTTCCGTTTAAGAGAAGCTCAAGGCCGAAGCCGAGCAGAGGATCTAAATACAAGAGTGCC
CTATTGGCAGAGTGTGGATACAAGTCCAGGATATCATGAGTCAGATTCCAAGAAGTCTGAAGATCTATCC
TTGTGTAATGTTGCTGAGCACAGCAATACAACAGAGGGGCCAACAGGAAAGCAGGAGGGAGCTCAGAGCG
TGGAAGAGATGTTGAAGAAGAAGCTGAAGAAGAGGTGTTCTCAAATTTGTGATATTGCATGCAGAAGA
TGACACAGATGAAGCCCTCAGAGTCCAGAACTGCTACAAGATGACTTTGGTATCAAACCCGGAATAATC
TTTGCTGAGATGCCATGTGGCAGACAGCATTTACAGAATTTAGATGATGCTGTAATGGGTCTGCATGGA
CAATCTTATTACTGACTGAAAACCTTTTAAAGAGATACTGGTGTAATTTCCAGTTCTATACGTCCTAAT
GAACTCCGTTAACAGGCAGCATAAAACAACCTGTTATACCCATGCGGCCCTGAACAATCCCTTCCC
CGAGAAAGGACTCCCTTTGCCCTCCAAACCATCAATGCCTTAGAGGAAGAAAGTCGTGGATTTCCTACAC
AAGTAGAAAGAATTTTTCAGGAGTCTGTGTATAAGACACAACAACTATATGGAAAGAGACAAGAAATAT
GGTACAAAGACAATTTATTGCC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



Protein Sequence:

>RC228324 representing NM_001164468

Red=Cloning site Green=Tags(s)

MPRPGSAQRWAAVAGRWGCRLLALLLLVPGPGGASEITFELPDNAKQCFYEDIAQGTKCTLEFQVITGGH
YDVDCRLEDPDGKVLKEMKKQYDSFTFTASKNGTYKFCFSNEFSTFTHKTVYFDFQVGEDPPLFPSEN
VSALTQMESACVSIHEALKSVIDYQTHFRLREAQGRSRAEDLNTRVAYWHSVDTSPGYHESDSKKS
EDLSLCNVAEHSNTTEGPTGKQEGAQSVEEMFEEEEVEFLKFVILHAEDDTDEALRVQNLQDDFGIKPGII
FAEMPCGRQHLQNLDDAVNGSAWTILLTENTFLRDTWCNFQFYTSLMNSVNRQHKYNSVIPMRPLNNPLP
RERTPFALQTINALEEESRGFPTQVERIFQESVYKTQQTIIWKETRMVQRQFIA

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

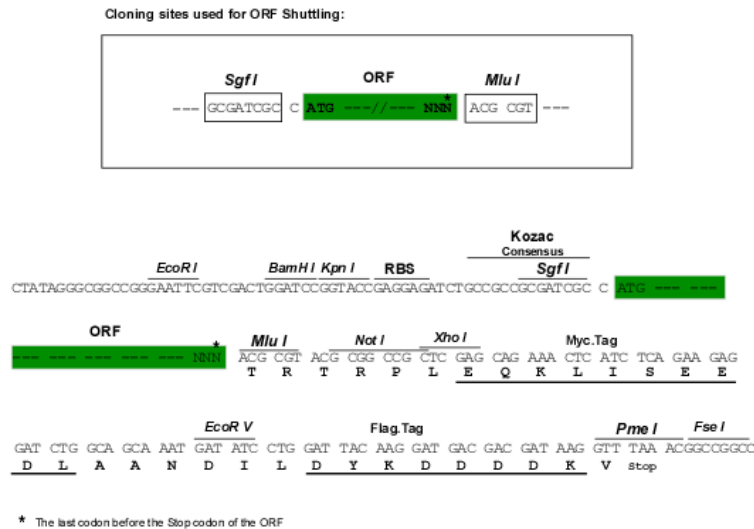
Chromatograms:

https://cdn.origene.com/chromatograms/mk8039_a07.zip

Restriction Sites:

SgfI-MluI

Cloning Scheme:



ACCN:

NM_001164468

ORF Size:

1212 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:

NM 001164468.4

RefSeq ORF:

1215 bp

Locus ID:

100302736

UniProt ID:

Q86XR7

Cytogenetics:

5q22.3

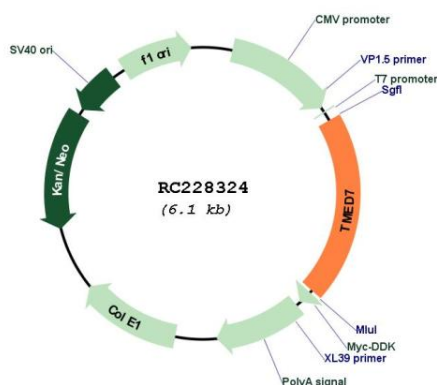
MW:

46 kDa

Gene Summary:

This locus represents naturally occurring read-through transcription between the neighboring transmembrane emp24 protein transport domain containing 7 (TMED7) and toll-like receptor adaptor molecule 2 (TICAM2) genes. Alternative splicing results in multiple transcript variants, one of which encodes a fusion protein that shares sequence identity with the products of each individual gene. This fusion product functions to negatively regulate the adaptor MyD88-independent toll-like receptor 4 pathway. [provided by RefSeq, Nov 2010]

Product images:



Circular map for RC228324