

Product datasheet for **RG218569**

TARC (CCL17) (NM_002987) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: TARC (CCL17) (NM_002987) Human Tagged ORF Clone
Tag: TurboGFP
Symbol: TARC
Synonyms: A-152E5.3; ABCD-2; SCYA17; TARC
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >RG218569 representing NM_002987
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAAACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGCCCCACTGAAGATGCTGGCCCTGGTCACCCTCCTCCTGGGGGCTTCTCTGCAGCACATCCACGCAG
 CTCGAGGGACCAATGTGGGCCGGGAGTGCTGCCTGGAGTACTTCAAGGGAGCCATCCCTTAGAAAGCT
 GAAGACGTGGTACCAGACATCTGAGGACTGCTCCAGGGATGCCATCGTTTTGTAAGTGTGCAGGGCAGG
 GCCATCTGTTCCGACCCCAACAAGAGAGTGAAGAATGCAGTTAAATACCTGCAAAGCCTTGAGAGGT
 CT

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >RG218569 representing NM_002987
 Red=Cloning site Green=Tags(s)
 MAPLKMLALVTLLLGASLQHIHAARGTNVGRECCLEYFKGAIPRLKLTWYQTSEDCSRDAIVFVTVQGR
 AICSDPNNKRVKNAVLYLSLERS

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI


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Cloning Scheme:


ACCN: NM_002987

ORF Size: 282 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:

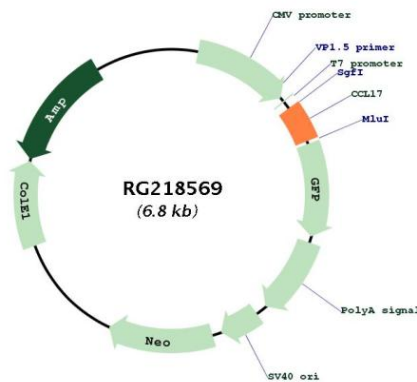
1. Centrifuge at 5,000xg for 5min.
2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
3. Close the tube and incubate for 10 minutes at room temperature.
4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.
5. Store 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_002987.3](#)

RefSeq Size:	615 bp
RefSeq ORF:	285 bp
Locus ID:	6361
UniProt ID:	Q92583
Cytogenetics:	16q21
Protein Families:	Druggable Genome, Secreted Protein
Protein Pathways:	Chemokine signaling pathway, Cytokine-cytokine receptor interaction
Gene Summary:	This antimicrobial gene is one of several Cys-Cys (CC) cytokine genes clustered on the q arm of chromosome 16. Cytokines are a family of secreted proteins involved in immunoregulatory and inflammatory processes. The CC cytokines are proteins characterized by two adjacent cysteines. The cytokine encoded by this gene displays chemotactic activity for T lymphocytes, but not monocytes or granulocytes. The product of this gene binds to chemokine receptors CCR4 and CCR8. This chemokine plays important roles in T cell development in thymus as well as in trafficking and activation of mature T cells. [provided by RefSeq, Sep 2014]

Product images:



Circular map for RG218569