

Product datasheet for **RG224021**

CD252 (TNFSF4) (NM_003326) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: CD252 (TNFSF4) (NM_003326) Human Tagged ORF Clone
Tag: TurboGFP
Symbol: CD252
Synonyms: CD134L; CD252; GP34; OX-40L; OX40L; TNLG2B; TXGP1
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >RG224021 representing NM_003326
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGAAAGGGTCCAACCCCTGGAAGAGAATGTGGGAAATGCAGCCAGGCCAAGATTCGAGAGGAACAAGC
 TATTGCTGGTGGCCTCTGTAATTCAGGGACTGGGGCTGCTCTGTGCTTACCTACATCTGCCTGCACTT
 CTCTGCTCTTCAGGTATCACATCGGTATCCTCGAATTCAAAGTATCAAAGTACAATTTACCGAATATAAG
 AAGGAGAAAGGTTTCATCCTCACTTCCCAAAGGAGGATGAAATCATGAAGGTGCAGAACAACCTCAGTCA
 TCATCAACTGTGATGGGTTTTATCTCATCTCCCTGAAGGGCTACTTCTCCAGGAAGTCAACATTAGCCT
 TCATTACCAGAAGGATGAGGAGCCCTCTTCCAAGTGAAGAAGGTCAGGTCTGTCAACTCCTTGATGGTG
 GCCTCTCTGACTTACAAAGACAAAGTCTACTTGAATGTGACCACTGACAATACCTCCCTGGATGACTTCC
 ATGTGAATGGCGGAGAACTGATTCTTATCCATCAAATCTGGTGAATTCTGTGTCCTT

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >RG224021 representing NM_003326
 Red=Cloning site Green=Tags(s)

MERVQPLEENVGNAARPRFRNKLIVASVIQGLGLLLCFTYICLHFSALQVSHRYPRIQSIKVQFTEYK
 KEKGFILTSQKEDEIMKVQNNSVIINCDGFYLIISLKGYSQEVNISLHYQKDEEPLFQLKKVRSVNSLMV
 ASLTYKDKVYLVNVTDDNTSLDDFHVNGGELILIHQNPGEFCVL

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI



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Cloning Scheme:


ACCN: NM_003326

ORF Size: 549 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_003326.5](#)

RefSeq Size: 3510 bp

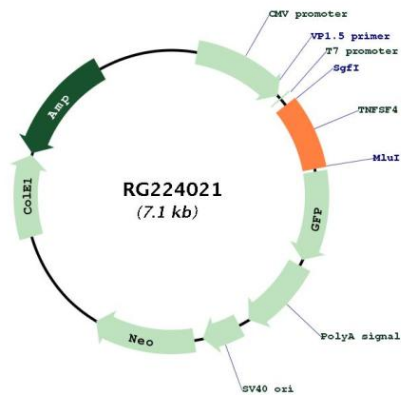
RefSeq ORF: 552 bp

Locus ID: 7292

UniProt ID: [P23510](#)

Cytogenetics:	1q25.1
Protein Families:	Druggable Genome, Transmembrane
Protein Pathways:	Cytokine-cytokine receptor interaction
Gene Summary:	This gene encodes a cytokine of the tumor necrosis factor (TNF) ligand family. The encoded protein functions in T cell antigen-presenting cell (APC) interactions and mediates adhesion of activated T cells to endothelial cells. Polymorphisms in this gene have been associated with Sjogren's syndrome and systemic lupus erythematosus. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Jul 2014]

Product images:



Circular map for RG224021