

Product datasheet for RC224021

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OriGene Technologies, Inc.

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: Myc-DDK Symbol: CD252

Synonyms: CD134L; CD252; GP34; OX-40L; OX4OL; TNLG2B; TXGP1

Mammalian Cell Neomycin

Selection:

Vector:pCMV6-Entry (PS100001)E. coli Selection:Kanamycin (25 ug/mL)

ORF Nucleotide >RC224021 representing NM_003326

Sequence: Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC

GCCGCGATCGCC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT

ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC224021 representing NM_003326

Red=Cloning site Green=Tags(s)

MERVQPLEENVGNAARPRFERNKLLLVASVIQGLGLLLCFTYICLHFSALQVSHRYPRIQSIKVQFTEYK KEKGFILTSQKEDEIMKVQNNSVIINCDGFYLISLKGYFSQEVNISLHYQKDEEPLFQLKKVRSVNSLMV

ASLTYKDKVYLNVTTDNTSLDDFHVNGGELILIHQNPGEFCVL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mk6114 d06.zip

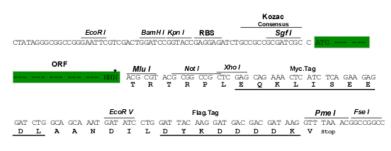


CD252 (TNFSF4) (NM_003326) Human Tagged ORF Clone - RC224021

Restriction Sites:

Sgfl-Mlul

Cloning Scheme:



^{*} The last codon before the Stop codon of the ORF

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.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with

0.22um filter is required.

RefSeq: <u>NM 003326.5</u>

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

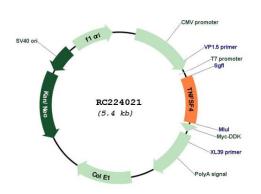
MW: 20.9 kDa

Gene Summary: This gene encodes a cytokine of the tumor necrosis factor (TNF) ligand family. The encoded

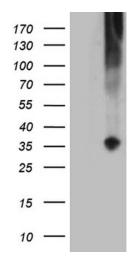
protein functions in T cell antigen-presenting cell (APC) interactions and mediates adhesion of activated T cells to endothelial cells. Polymorphisms in this gene have been associated with Sjogren's syndrome and systemic lupus erythematosus. Alternative splicing results in

multiple transcript variants. [provided by RefSeq, Jul 2014]

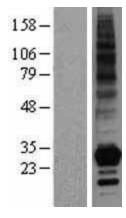
Product images:

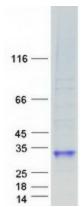


Circular map for RC224021



HEK293T cells were transfected with the pCMV6-ENTRY control (Cat# [PS100001], Left lane) or pCMV6-ENTRY TNFSF4 (Cat# RC224021, Right lane) cDNA for 48 hrs and lysed. Equivalent amounts of cell lysates (5 ug per lane) were separated by SDS-PAGE and immunoblotted with anti-TNFSF(Cat# [TA806738]). Positive lysates [LY401143] (100ug) and [LC401143] (20ug) can be purchased separately from OriGene.





Western blot validation of overexpression lysate (Cat# [LY401143]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC224021 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).

Coomassie blue staining of purified TNFSF4 protein (Cat# [TP324021]). The protein was produced from HEK293T cells transfected with TNFSF4 cDNA clone (Cat# RC224021) using MegaTran 2.0 (Cat# [TT210002]).