

Product datasheet for **MC209548**

Cd27 (NM_001042564) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Cd27 (NM_001042564) Mouse Untagged Clone
Tag: Tag Free
Symbol: Cd27
Synonyms: S152; Tnfrsf7; Tp55
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Fully Sequenced ORF: >MC209548 representing NM_001042564
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGCATGGCCACCTCCCTACTGGCTCTGCATGCTGGGGACCTTGGTAGGACTCTCAGCTACCCTAGCCC
 CAAACAGCTGTCCAGACAAACTACTGGACTGGGGGAGGACTCTGCTGCCGGATGTGTGAGCCAGAGAA
 GCCATCCTGGCCCTACACAGGCAGCTTCCCAACTCGACTGTCTATAGCCAGCGGTATCCCATAGACCC
 CTGTGCAGCTCGGACTGCATCCGGATCTTTGTGACCTTCTCCAGCATGTTTCTTATCTTCGTCCTGGGTG
 CAATCTTGTCTTCCATCAAAGAAGAAACCACGGGCCAAATGAAGACCGGCAGGCAGTGCCTGAAGAGCC
 TTGTCCTTACAGCTGCCCGAGGAAGAGGAGGGCAGTGCTATCCCTATCCAGGAGGACTACCGGAAACCC
 GAGCCTGCTTTCTACCCT**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: Sgfl-MluI
ACCN: NM_001042564
Insert Size: 441 bp



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OTI Disclaimer: Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.

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](#)

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_001042564.1](#), [NP_001036029.1](#)

RefSeq Size: 1264 bp

RefSeq ORF: 441 bp

Locus ID: 21940

Cytogenetics: 6 59.32 cM

Gene Summary: Receptor for CD70/CD27L. May play a role in survival of activated T-cells. May play a role in apoptosis through association with SIVA1.[UniProtKB/Swiss-Prot Function]
 Transcript Variant: This variant (2) lacks two alternate in-frame exons in the 5' coding region, compared to variant 1. It encodes isoform b, which is shorter than isoform a. 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.