

Product datasheet for MR225924

Cd70 (NM_011617) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Cd70 (NM_011617) Mouse Tagged ORF Clone
Tag: Myc-DDK
Symbol: Cd70
Synonyms: Cd27l; CD27LG; Tnfsf7; Tnlg8a
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >MR225924 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGCCGGAGGAAGGTCGCCCTTGCCCTGGGTTTCGCTGGAGCGGGACCGGTTCCAGCGCCAATGGCCAT
 GGCTGCTGCTGGTGGTGTATTACTGTGTTTTGCTGTTGGTTTCATTGTAGCGGACTACTCAGTAAGCA
 GCAACAGAGGCTGCTGGAGCACCTGAGCCGCACACAGCTGAGTTACAGCTGAATCTCACAGTTCCTCGG
 AAGGACCCACACTGCGCTGGGAGCAGGCCAGCCTTGGGAAGGTCCTCACACACGGACCAGAGCTGG
 AGGAGGGCCATCTGCGTATCCATCAAGATGGCCTCTACAGGCTGCATATCCAGGTGACACTGGCCAACTG
 CTCTTCCCAGGCAGCACCTGCAGCACAGGGCCACCCTGGCTGTGGGCATCTGCTCCCCGCTGCGCAC
 GGATCAGCTTGCCTGTGGCGCTTTGGACAGGACTGTACAGTGGCATTACAGCGCCTGACATACCTGG
 TCCACGGAGATGTCTCTGTACCAACCTCACCTGCCTCTGCTGCCGTCCCGCAACGCTGATGAGACCT
 CTTTGGAGTTCAGTGGATATGCCCT

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR225924 protein sequence
 Red=Cloning site Green=Tags(s)

MPEEGRPCPWVWSGTAFAQRQWPWLLL VVFITVFCWFHCSGLLSKQQRLLEHPEPHTAELQLNLTVPR
 KDPTLRWGAGPALGRSFTHGPELEEHLRIHQDGLYRLHIQVTLANCSSPGSTLQHRATLAVGICSPA
 AHGISLLRGRFGDCTVALQRLTYLVHGDVLCNTLPLLLPSRNADETFFGVQWICP

TRTRPLEQKLISEEDLAANDILDYKDDDDKV



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Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_011617

ORF Size: 588 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_011617.2](#), [NP_035747.1](#)

RefSeq Size: 842 bp

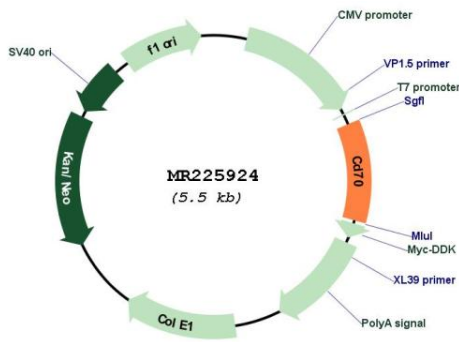
RefSeq ORF: 588 bp

Locus ID: 21948

UniProt ID: [O55237](#)

Cytogenetics: 17 29.69 cM
MW: 21.9 kDa
Gene Summary: Cytokine that binds to CD27. Plays a role in T-cell activation. Induces the proliferation of costimulated T-cells and enhances the generation of cytolytic T-cells.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR225924