

Product datasheet for **RN210498**

Cd28 (NM_013121) Rat Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Cd28 (NM_013121) Rat Untagged Clone
Tag: Tag Free
Symbol: Cd28
Synonyms: CD28RNA
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >RN210498 representing NM_013121
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGACACTCAGACTGCTATTCTTGGCTCTCAGCTTCTTCTCAGTTCAAGTAACAGAAAACAAGATTTTGG
TGAAGCAGTCCCCGCTGCTTGTGGTAGATAACAATGAGGTCAGCCTCAGCTGCAGGTATTCCTACAACCT
TCTTGCAAAGGAGTTCGGGCATCCCTTTACAAGGGCGTGAACAGTGACGTGGAAGTCTGTGTCGGGAAT
GGGAATTTTACCTATCAGCCCCAGTTCGCCCAAACGTGGGGTTCAACTGTGATGGGAATTCGACAATG
AAACAGTGACGTTCCGTCTCTGGAATCTCGATGTTAATCACACAGATATTTACTTCTGCAAAATCGAGGT
CATGTATCCTCCGCCATACCTGGACAACGAGAAGCAACGGAATATTATTCACATAAAAGAGAAACAT
CTTTGTCATGCTCAGACGTCTCCTAAGCTGTTTTGGCCACTGGTCGTGGTTGCTGGAGTCTGCTGTGTT
ATGGCTTGCTAGTGACAGTGACTCTTTGTATTATCTGGACAAATAGCAGAAGGAACAGGCTCCTTCAAAG
TGACTACATGAACATGACACCGCGGAGACTCGGGCCACGCGAAAGCATTACCAACCCATGCCCCAGCG
AGAGACTTTCAGCGTACCGCCCTGA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_013121
Insert Size: 657 bp



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OTI Disclaimer:	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
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:	<ol style="list-style-type: none">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:	<u>NM_013121.1</u> , <u>NP_037253.1</u>
RefSeq Size:	1284 bp
RefSeq ORF:	657 bp
Locus ID:	25660
UniProt ID:	<u>P31042</u>
Cytogenetics:	9q32
Gene Summary:	costimulatory molecule involved in induction of T cell proliferation and initiation of the Th2 response; may be important in maintenance of basal IgE production; binds to B7-1 or B7-2 on antigen presenting cells (APCs) [RGD, Feb 2006]