

## Product datasheet for **RR208401**

### Cd247 (NM\_170789) Rat Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Cd247 (NM\_170789) Rat Tagged ORF Clone  
**Tag:** Myc-DDK  
**Symbol:** Cd247  
**Synonyms:** Cd3z; TCRzeta  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Cell Selection:** Neomycin  
**ORF Nucleotide Sequence:** >RR208401 representing NM\_170789  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGAAGTGGACGGCATCAGTCCTCGCCTGCATCCTTCAAGTGCAGTCCAGGAGCAGAGGCACAGAGCT  
 TTGGTCTGCTGGATCCCAAACCTGCTATATGCTAGATGGAATCCTCTTCATCTACGGAGTCATCGTCAC  
 GGCCCTGTACCTGAGAGCAAAATTCAGCAGGAGTGCAGATGCTGCTGCTTACCTCAGGACCCCAACCAG  
 CTCTATAACGAGCTCAACCTAGGGCGAAGAGAGGAATATGATGTTTTGGACAAGAAGCGGCTCGGGATC  
 CGGAGATGGGGGCAACAGCAGAGGAGGAGGAACCCCAAGGAGGCGTGTACAATGCACTGCAGAAAGA  
 CAAGATGGCAGAGGCCTACAGTGAATTGGCATGAAAGGCGAGAGGCGGAGAGGCAAGGGGCACGACGGC  
 CTTTACCAGGGTCTCAGCACTGCCACCAAGGACACCTATGACGCCCTGCATATGCAGACCCTGCCCCCTC  
 GC

**ACGCGT**ACGCGGCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:** >RR208401 representing NM\_170789  
 Red=Cloning site Green=Tags(s)

MKWTASVLACILQVQFPGAEAQSFGLLDPKLCYMLDGIIFYGVIVTALYLRAKFSRSADAAAYLQDPNQ  
 LYNELNLGRREEYDVLDKKRPDPPEMGGKQRRRNPNQEGVYNALQKDKMAEAYSEIGMKGERRRKGHDG  
 LYQGLSTATKDTYDALHMQLPPR

**TR**TRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:** SgfI-MluI

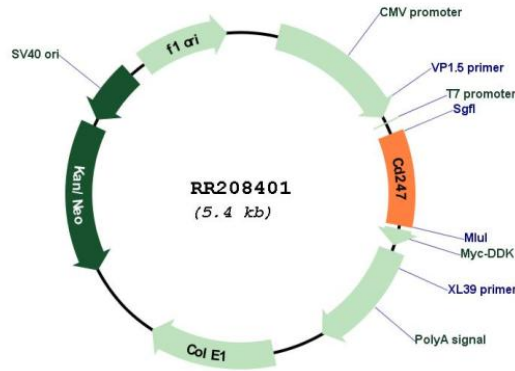


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**Cloning Scheme:**



**Plasmid Map:**



**ACCN:** NM\_170789

**ORF Size:** 492 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.

<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<u><a href="#">NM_170789.2</a></u> , <u><a href="#">NP_740770.2</a></u>
<b>RefSeq Size:</b>	1741 bp
<b>RefSeq ORF:</b>	495 bp
<b>Locus ID:</b>	25300
<b>Cytogenetics:</b>	13q23
<b>MW:</b>	18.6 kDa
<b>Gene Summary:</b>	component of T cell receptor (TCR) complex that plays a role in TCR assembly and signaling; does not promote surface expression of Fc gamma RIII, unlike human homolog [RGD, Feb 2006]