

Product datasheet for **RN215883**

Cd247 (NM_001205304) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Cd247 (NM_001205304) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Cd247
Synonyms:	Cd3z; TCRzeta
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>RN215883 representing NM_001205304 Red=Cloning site Blue=ORF Orange=Stop codon

TTTGTAAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGAAGTGGACGGCATCAGTCTCGCCTGCATCCTTCAAGTGCAGTTCCAGGAGCAGAGGCACAGAGCT
 TTGGTCTGCTGGATCCCAAACCTGCTATATGCTAGATGGAATCCTCTTCATCTACGGAGTCATCGTCAC
 GGCCCTGTACCTGAGAGCAAAATTCAGCAGGAGTGCAGATGCTGCTGCTTACCTTCAGGACCCCAACCAG
 CTCTATAACCAGAGGAGGAGGAACCCCAAGGCGTGTACAATGCACTGCAGAAAGACAAGATGGCAG
 AGGCCTACAGTGAGATTGGCATGAAAGGCGAGAGGCGGAGAGGCAAGGGGCACGACGGCCTTACCAGGG
 TCTCAGCACTGCCACCAAGGACACCTATGACGCCCTGCATATGCAGACCTGCCCCCTCGC**TAA**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:	Sgfl-MluI
ACCN:	NM_001205304
Insert Size:	414 bp
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).


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OTI Annotation:	Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
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_001205304.1</u> , <u>NP_001192233.1</u>
RefSeq Size:	1660 bp
RefSeq ORF:	414 bp
Locus ID:	25300
Cytogenetics:	13q23
Gene Summary:	<p>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]</p> <p>Transcript Variant: This variant (2) lacks an in-frame coding exon, as compared to variant 1. The resulting isoform (2) lacks an internal segment, compared to isoform 1. 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.</p>