

## Product datasheet for **RR202433**

### **Cd248 (NM\_001106325) Rat Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Cd248 (NM_001106325) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Cd248
Synonyms:	Cd16411
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**ORF Nucleotide Sequence:**

>RR202433 representing NM\_001106325  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGCTGCTGCGCCTGCTGCTGGCCTGGGCGGCCGGGTGCCCGCACTGGGCCAGGCCCTGGACGCCGG  
 AGCCTAGAGCCGCTGCGGCCCCAGCAGCTGCTACGCTCTCTTTCCCGCGCCGCACATTCCTGGAGGC  
 TTGGCGGTCTGCGCGAATTGGGGGGCAACCTGGCCACACCGAGGACCCCGAGGAGGCCCGACGTGTG  
 GACAGCCTGGTGGGCGTCGGACCCGCCAACGGGCTGCTATGGATTGGTTGCAGCGGCAGGCTCGGCAAT  
 GCCAGCCACAGCGCCACTGCGGGGCTCATATGGACCACGGGAGACCAGGACACCGCCTTCACTAACTG  
 GGCCAGCCGGCTACGGAAGGACCTGCCCGGCCAGCGCTGTGCTGCCCTTGAGGCCAGCGGAGAACAT  
 CGTGGCTCGAAGGCTCGTGCACACTGGCTGTCGATGGTACCTCTGCCAGTTTGGTTTTGAGGGTGCCT  
 GTCTGCCTTGGCGTTGAGGTGGGCCAAGCCGGTCCAGCTATCTACACCACACCCTTCAACCTGGTTTC  
 CAGTGAGTTTCAATGGCTACCTTTGGCTCCGTGGCAGCTGTGCACTGCAAGCTGGCAGGGGAACGTCT  
 CTGTTGTGTGTAACAACCTTCAGGTGGCGTTGGCTGGTCCCAGACTGGCCACTGTGTCCAGGGACTG  
 GCTGTGGTCTGACAATGGGGTTGCGAACATGAATGTGTGGAAGAGTTGGATGGCGGTATGTCTTGCCG  
 CTGCACTGAAGGCTTCCGTCTAGCAGCAGATGGGCACAGTTGTGAAGACCCTTGTGCCAGGCCCTGT  
 GAGCAGCAGTGTGAGCCTGGTGGGCCACAAGGCTACAGCTGCCACTGTGCGCTAGGCTTCCGGCCAGCTG  
 AGGATGAGCCACACCGCTGCGTGGACACGGATGAGTGCCAGATTGCTGGTGTGTGCCAGCAGATGTGTGT  
 CAACTATGTTGGTGGCTTGGTGTACTGCAGGGAGGGTCATGAGCTTGAGGCAGATGGTATCAGTTGT  
 AGCCCTGCAGGAGCTATGGTGGCCAGGCTTCCAGGATCTTAGAGACGAGTTGCTGGATGATGGAGAAG  
 AAGGGGAGGATGAAGAGGAGCCCTGGGAGGACTTCGATGGCACCTGGACAGAGGAGCAGGGGACCTATG  
 GATGGCACCTACACATCCGCTGACTTTGGCTGCCCTATAGGCCCAACTTCCCACAGGATGGAGAGCCT  
 CAGAGATTGCACCTGGAGCCTACCTGGCCACCCCACTTAGCGCCCCAGGGGCCCTACCACTCCTCAG  
 TGGTGTCTGCCACACGGCCATGGTAATCTCTGCCACTCGACCCACACAACCTTCTGCCGAAAGACCTC  
 TGTATTTTCCAGCCACACCTACCCCTAACCTGTCCACCCACTGCCCTAGCCCTACCACTCCTCA  
 GCCGTGCTCCCTGAGCACCAGATCCCCAAATCAAGGCCAGTTATCCAGACTTGCCTTTTGGCCACAAGC  
 CTGGGATAACCTCAGCCACTCACCCAGCACAGCCTCCTCCTCACCAGCCCCCATCATCTCAACGAAATA  
 TCCCCAAGTCTTCCCTCCCAGCAGGCCCTATGTCTCCAGACCCACACTATCACTAATTTGCCTCTA  
 ATCCCATCTCACCTTACCCTGGGATACCACTTCCCAAGCCGGTCAACATCCTTTGCTCCAGATGTTT  
 CAGGTATCAGAACCAGGCTCCCAGGTTTCTGTCTCAGCTCTCCAGCCCTCTCTGCCTACCAACTCCAG  
 GTCTTCTGTCCATGAACCCCTGTGCTACTGCCAACCAGCCCCAGCCTTCCCTTCTCCCTGCCCCCT  
 CAGAGCCCCATTAACAGACCTCATCTATCAGCCCTACACACTCCTATTCCAGAGCCCTCAGGTCCCAA  
 GGAAGGAGCTCCAGTCCCAAATCAGTGCCAAGGCTGCACTCAGTGGCCCCACAGCAGCTCCAACAGC  
 CCTGGCAGAGTTGGTCTTGCAGGCCAAAGCCAGAGAGATGACCGATGGCTGCTGGTGGCACTCTTGGTA  
 CCAACGTGTCTTCTTGGTGGTCTGCTCGCATTGGGCATTGTGTAAGTCACTCGCTGTGGCTCCATA  
 CGCCCAACAAGCGTATCACTGACTGCTATCGCTGGGTACGCATGCTGGGAACAAGAGCTCAACAGAACC  
 CATGCCCCAGAGGCAGCCTTACAGGGGTACAGACCTGTAGAACCAGTGTG

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:** >RR202433 representing NM\_001106325  
 Red=Cloning site Green=Tags(s)

MLLRLLLAWAAAVPALGQAPWTPEPRAACGPSSCYALFPRRRTFLEAWRSCRELGGNLATPRTPEEARRV  
 DSLVGVGPANGLLWIGLQRQARQCQPQRPLRGFIWTTGDQDTAF TNWAQPATEGPCPAQRCAALEASGEH  
 RWLEGSCTLAVDGYLCQFGFEGACPALPLEVQAGPAIYTPFNLVSSEFEWLPFGSVAAYQCQAGRGS  
 LLCVKQPSGGVGSQTGPLCPGTGCGPDNGGCEHECVEELDGGMSCRCSEGFRLAADGHSCEDPCAQAPC  
 EQQCEPGGPQGYSCHRLGFRPAEDEPHRCVDTDECQIAGVCQQMCVNYVGGFECYCREGHELEADGIS  
 SPAGAMGAQASQDLRDELLDDGEEGEDEEPEWDFDGTWTEEQGTLWMAPTHPPDFGLPYRPNFPQDGEP  
 QRLHLEPTWPPPLSAPRGPYHSSVVSATRPMVISATRPTQPSARKTSVISATHLPLNPVHPPALAPTTPP  
 AVLPEHQIPKIKASYPDLPGHKGITSATHPAQPPHPQPIISTKYQVFPQQAPMSPDTHITNLPL  
 IPSHLDPGDTTSQAGHPLLPDVPGIRTQAPQVSVALQPSLPTNSRSSHVEPPVPTANQPPAFPSPLPP  
 QSPINQTSISIPHTSYSRAPQVPREGAPSPKSVPRLHSHVAPTAAPTALAEGLAGQSQRDDRLLVALLV  
 PTCVFLVLLALGIVYCTRCGSHTPNKRITDCYRWVTHAGNKSSTEPMPRGLTGVQTCRTSV

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**

Cloning sites used for ORF Shuttling:



\* The last codon before the Stop codon of the ORF

**ACCN:** NM\_001106325

**ORF Size:** 2292 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\\_001106325.1](#), [NP\\_001099795.1](#)

**RefSeq Size:** 2565 bp

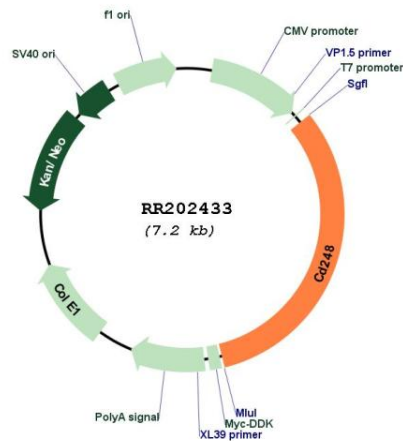
**RefSeq ORF:** 2295 bp

**Locus ID:** 293669

**Cytogenetics:** 1q43

**MW:** 81.8 kDa

**Product images:**



Circular map for RR202433