

## Product datasheet for **RR213171**

### **Cd48 (NM\_139103) Rat Tagged ORF Clone**

#### Product data:

Product Type: Expression Plasmids  
Product Name: Cd48 (NM\_139103) Rat Tagged ORF Clone  
Tag: Myc-DDK  
Symbol: Cd48  
Synonyms: SLAMF2  
Vector: pCMV6-Entry (PS100001)  
E. coli Selection: Kanamycin (25 ug/mL)  
Cell Selection: Neomycin  
ORF Nucleotide Sequence: >RR213171 representing NM\_139103  
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGTACTCAAAAAACGGAGATGGTTTCTGATCCTGGAATCGCTTTTGTGTCTTTGGTAACTGGATTTCC  
AAGATCAATCAGTACCAAATGTAATGCCATAACCGGCAGCAACGTAACCCTGACAATCCTGAAGCACCC  
ACTTGCATCGTATCAACGTCTCACCTGGCTTCATACTACCAACCAGAAGATTTTAGAGTACTTCCCTAAT  
GGTAAAAAACTGTCTTCGAGTCTGTATTTAAAGACAGGGTCGATCTTGACAAAACAAATGGTGCATTC  
GTATCTATAATGTCTCGAAAGAGGACAGAGGTGACTACTACATGAGAATGTTGCACGAAACTGAGGACCA  
GTGGAAGATAACCATGGAAGTATACGATCTTGTGTCCAAGCTGCCATCAAAATCGAGAAGACTAAAAAT  
TTGACTGACTCCTGTACCTGAGGCTATCATGTAAGGTAGAGGACCAAGGTGTTGACTATACTTGGTATG  
AGGACTCGGGCCCTTTCCCAAAGGAATCCAGGATATGTAAGCAGCGAGAACGACACTGTACTTTATTCCA  
GTCTACATTTTACACCTGCCAAGTCAGCAATCCTGTAAGCAGCGAGAACGACACTGTACTTTATTCCA  
CCTTGTACGCTGGCCAGATCTTCTGGAGTCCATTGGATTGCAGCTTGGCTAGTGGTCACGTTATCCATCA  
TTCCCAGCATCCTGCTAGCC

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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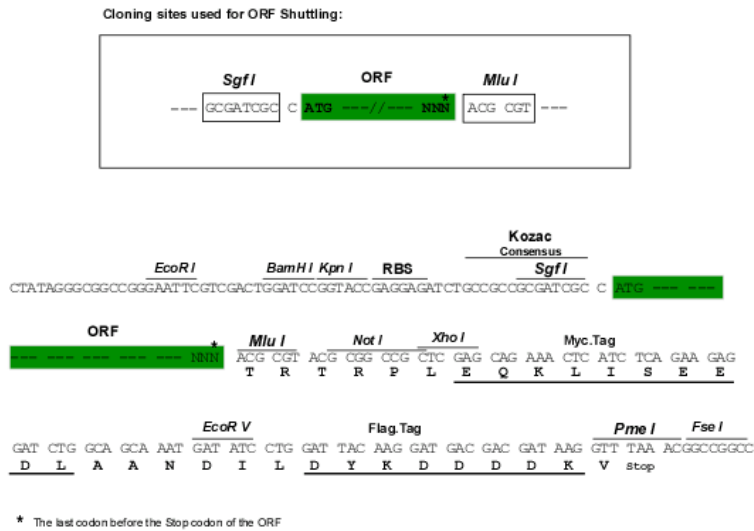
**Protein Sequence:** >RR213171 representing NM\_139103  
 Red=Cloning site Green=Tags(s)

MYFKRRWFLILESLLLVLTFQDQSVPNVNAITGSNVTLTILKHPLASYQRLTWLHTTNQKILEYFPN  
 GKKTVFESVFKDRVDLTKNGALRIYNVSKEDRGDYMRMLHETEDQWKITMEVYDLVSKPAIKIEKTKN  
 LTDSCHLRLSCKVEDQGVDTWYEDSGPFPQRNPGYVLEITITPHNKSTFYTCQVSNPVSSENDTLFYIP  
 PCTLARSSGVHWIAAWLVVTLIIIPSILLA

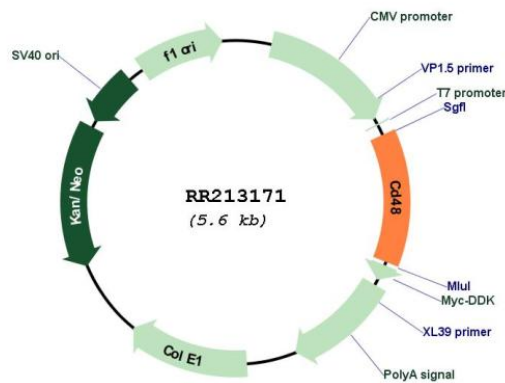
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**Plasmid Map:**



**ACCN:** NM\_139103  
**ORF Size:** 720 bp

<b>OTI Disclaimer:</b>	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. <a href="#">More info</a>
<b>OTI Annotation:</b>	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>	<a href="#">NM_139103.1</a> , <a href="#">NP_620803.1</a>
<b>RefSeq Size:</b>	1422 bp
<b>RefSeq ORF:</b>	723 bp
<b>Locus ID:</b>	245962
<b>UniProt ID:</b>	<a href="#">P10252</a>
<b>Cytogenetics:</b>	13q24
<b>MW:</b>	27.7 kDa
<b>Gene Summary:</b>	plays a role in mast cell activation and response to Mycobacterium tuberculosis [RGD, Feb 2006]