

## Product datasheet for **RR213535**

### Crelid1 (NM\_001024783) Rat Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Crelid1 (NM\_001024783) Rat Tagged ORF Clone  
**Tag:** Myc-DDK  
**Symbol:** Crelid1  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Cell Selection:** Neomycin  
**ORF Nucleotide Sequence:** >RR213535 representing NM\_001024783  
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGCTCCACAGCCCCTAAGGGGCTGGTCCCATTCTGCTCTGGTGCTTGAGCCTGTTTCTTAGCCTCC  
CAGGACCTGTCTGGCTCCAACCCTCTCCTCCTCCCATCTGCTCCCGAGCTGAGCCCATCCATGTCA  
TACCTGCCGGGCACTGGTGGACAGCTTCAACAAGGGCCTGGAGAGAATATCCGGGACAACCTTGGTGGT  
GGAACACTGCTTGGGAGGAAGAGAAGTTGTCCAATACAAAGACAGTGAGACCCGCTGGTGGAGGTGC  
TGGAGGGTGTGTGCAGCAAGTCAGACTTCGAGTGCCACCGCCTGTAGAGCTCAGCGAGGAGCTGGTGG  
AGCCTGGTGGTTCCACAGGCAGCAAGAAGCCCTGACCTCTTCCAGTGGCTCTGTTCCAGATTCCCTGAAG  
CTCTGCTGCCCTCTGGGACTTTCGGTCCCTCCTGCCTGCCATGTCTGGGGGCACAGAGAGGCCCTGCC  
GTGGCTACGGGCAGTGTGAAGGGGAAGGGACTCGAGGGGGCAGCGGGCACTGTGACTGCCAAGCCGGCTA  
TGGGGGCGAGGCCGTGGCCAGTGTGGCCTTGGCTACTTTGAGGCAGAGCGCAACAGCAGCCATCTGGTA  
TGTTCCGGCGTCTTTGGTCCCTGTGCCCGCTGCACAGGACCCGAGGAATCCCACTGTCTGCAGTGCAGGA  
AAGGCTGGGCCCTGCATCACCTCAAGTGTGTAGACATCGATGAGTGTGGCACAGCAAGCTACCTGTGG  
AGCCGCCAGTTCTGTGTGAACACGGAAGGGTCTATGAGTGCCGAGATTGTGCAAAGGCCCTGCCTGGGC  
TGTATGGGAGCAGGGCCAGGGCGCTGCAAAAAATGCAGCCGTGGCTACCAGCAGGTGGGCTCCAAGTGCC  
TAGATGTGGATGAGTGTGAGACAGTGGTGTGTCCAGGAGAGAACGAGCAGTGTGAAAACACGGAAGGTAG  
CTACCGCTGTGTCTGTGCTGAAGGCTTCCAGACAGGAGGACGGCATCTGTGTGAAGGAGCAGATCCCAGAG  
TCGGCGGGCTTCTTCGGGAGATGACAGAGGACGAAATGGTGGTCTGCAGCAGATGTTCTTTGGTGTGA  
TCATCTGTGCACTGGCCACACTTGCTGCTAAGGGGGACTTGGTGTTCACCGCCATCTTCATTGGAGCTGT  
GGCAGCTATGACTGGGTACTGGTTGTGAGAGCCAGTGACCGTGTGCTGGAGGGCTTCATCAAGGGTAGA

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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**Protein Sequence:** >RR213535 representing NM\_001024783  
 Red=Cloning site Green=Tags(s)

MAPQPLRGLVPFLLWCLSLFSLPGPVWLQSPPPHSAPRAEHPCHTCRALVDSFNKGLERTIRDNFGG  
 GNTAWEEEKLSKYKDSETRLVEVLEGVCSKSDFECHRLELSEELVEAWWFHRQQEAPDLFQWLCSDSLK  
 LCCPSGTFGPSCLPCPGGTERPCGGYGQCEGEGTRGSGHCDCQAGYGGAEACQCGLGYFEARNSSHLV  
 CSACFGPCARCTGPEESHCLQCRKGWALHHLKCVDIDECGTEQATCGAAQFCVNTEGYSYECRDCAKACLG  
 CMGAGPGRCKKCSRGYQQVGSKCLDVDECETVVCPGENEQCENTEGSYRCVAEGRQEDGICVKEQIPE  
 SAGFFAEMTEDEMVLVQMFFGVIICALATLAAKGDLVFTAIFIGAVAAMTYWLSERSDRVLEGFIKGR

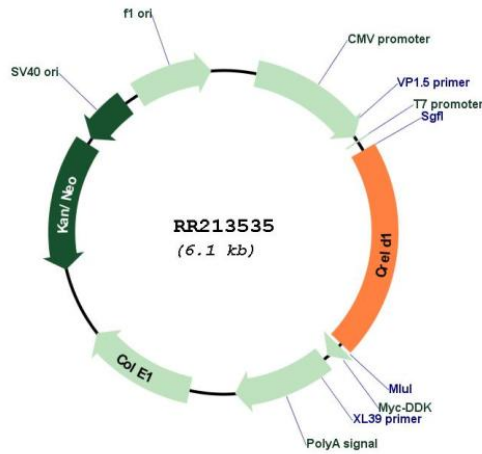
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**Plasmid Map:**



**ACCN:** NM\_001024783

<b>ORF Size:</b>	1260 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_001024783.1</a> , <a href="#">NP_001019954.1</a>
<b>RefSeq Size:</b>	1900 bp
<b>RefSeq ORF:</b>	1263 bp
<b>Locus ID:</b>	312638
<b>UniProt ID:</b>	<a href="#">Q4V7F2</a>
<b>Cytogenetics:</b>	4q42
<b>MW:</b>	45.7 kDa
<b>Gene Summary:</b>	Protein disulfide isomerase (By similarity). Promotes the localization of acetylcholine receptors (AChRs) to the plasma membrane (By similarity).[UniProtKB/Swiss-Prot Function]