

## Product datasheet for **RR213327**

### **Dnali1 (NM\_001031647) Rat Tagged ORF Clone**

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Dnali1 (NM\_001031647) Rat Tagged ORF Clone  
**Tag:** Myc-DDK  
**Symbol:** Dnali1  
**Synonyms:** MGC116176  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Cell Selection:** Neomycin  
**ORF Nucleotide Sequence:** >RR213327 representing NM\_001031647  
**Red=Cloning site Blue=ORF Green=Tags(s)**

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGGATCGCC**

ATGATACCCCCCGAGACTCTCTGCTCAAATATGACACCCCGGTGTTGGTGAGCCGAATACAGAAAAAC  
GGAGCCCCAAGGCTCGGCCACTGAAAGTCACAGTTCAGCAGCCTGGACCCTCTGGTGAGGCCACACAACC  
ACCCAAGGCCAAGCTGCCCTCAACTTCCGTGTCCCAGATCCTACCAAACAAGCAGAAGAAATCTTGAAT  
GCCATCCTGCCTCCAAGGGAGTGGGTAGAAGACACACAGCTATGGATCCAGCAGGTGTCCAGCACACCCA  
GCACCAGAATGGATGTGGTGCATCTCCAGGAGCAGCTGGACCTGAAGCTGCAGCAGAGGCCAGGCCAGGGA  
GACGGGCATCTGCCCTGTGCGCAGGGAAGCTCTACTCCCAGTGTGTTTGTAGAGCTGATCCGGGAGGTCAAC  
ATCAACTGTGCAGAGAGAGGACTGCTGTTGCTGCGTGTCCGGATGAGATCCGCATGACCATCGCTGCCT  
ACCAGACTCTGTATGAAAGCAGTGTAGCATTCCGCATGAGGAAGGCACTGCAGGCCGAACAGGGGAAGTC  
AGACATGGAGAGGAAAAATTACAGAACTGGAGACAGAAAAGAGAGACTTGGAGAGGCAAGTGAATGAACAG  
AAGCGCAAATGTGAGGCCACCGAAGCGGGAGAGCGAGAGGCCGACAGGTGGAGGAGAAGAAGCACAATG  
AGGAGATCCAGTTCCTGAAACGGACTAATCAGCAACTGAAGGCCCAACTGGAAGGCATTATCGCACCGAA  
GAAG

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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**Protein Sequence:** >RR213327 representing NM\_001031647  
 Red=Cloning site Green=Tags(s)

MIPPADSLKDYDTPVLVSRNTEKRSPKARPLKVTVQQPGPSGAGPQPPKAKLPSTSCVPDPTKQAEIILN  
 AILPPREWVEDTLWIQQVSSSTPSTRMDVVHLQEQLDLKLOQRQARETGICPVRELYSQCFDELIREVT  
 INCAERGLLLLRVRDEIRMTIAAYQTLYESSVAFGMRKALQAEQKSDMERKITELETEKRDRLERQVNEQ  
 KAKCEATEKRESERRQVEEKHNEEIQFLKRTNQQLKAQLEGIAPKK

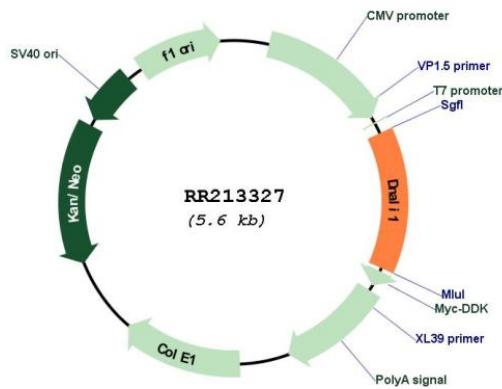
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**Plasmid Map:**



**ACCN:** NM\_001031647  
**ORF Size:** 774 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_001031647.1</a> , <a href="#">NP_001026817.1</a>
<b>RefSeq Size:</b>	2250 bp
<b>RefSeq ORF:</b>	777 bp
<b>Locus ID:</b>	298524
<b>UniProt ID:</b>	<a href="#">Q4FZV3</a>
<b>Cytogenetics:</b>	5q36
<b>MW:</b>	29.6 kDa
<b>Gene Summary:</b>	May play a dynamic role in flagellar motility.[UniProtKB/Swiss-Prot Function]