

## Product datasheet for **RN211062**

### Polk (NM\_138516) Rat Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Polk (NM_138516) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Polk
Synonyms:	Dinb1
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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**Fully Sequenced ORF:** >RN211062 representing NM\_138516  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCCGCGATCGCC

ATGGATAACACAAAGGAAAAGAACAACCTCAAAGACGCCCTTCTGCTCCGCATGGGACTAAATGATAACA  
 AGGCAGGCATGGAAGGGTTGGATAAGGAGAAAATTAACAAAATTATCATGGAAGCCACAAAGGGTCCAG  
 ATTTTATGAAAATGAACTCAAGAAGGAGAAGCAAGTCAATCAACGGATTGAAAACATGATGCAGCAAAAAG  
 GCGCAAATTACCAGCCAGCAACTAAGGAAGGCCAGCTACAGGTTGACAGATTTGCGATGGGATTAGAAC  
 GGAACCGGAATTTGAACAACACCATAGTTCACGTGGACATGGATGCTTTCTATGCGGCCGTAGAAATGAG  
 GGACAACCCGGAAGTGAAGGAGAAGCCATCGCTGTAGGATCCATGAGCATGCTGGCTACTTCAAATTAC  
 CACGCAAGGAGGTTTGGGGTTCGCGCAGCCATGCCAGGATTTATTGCCAAGAGACTCTGCCACAACCTTA  
 TTATAGTGCACCAAACTTTGACAAGTATAGAGCTGTGAGTAAGGAGGTTAAGGAGATACTCGCTGAATA  
 TGATCCCAATTTTATGGCCATGAGTCTGGACGAGGCCTACTTGAATATAACACAGCACTTACAGGAAAGG  
 CAAGGTTGGCCTGAGGACAAAAGAAGATATTTTCATCAAAATGGGAACTGTAGAAAAATTGACACACCCC  
 GGCAGGAAGCTGATGAGCTGACTGAGCGGGAGCGCTCCATCTCCCACTGCTTTTTGAAGATAGCCCTCC  
 TGATTTGCAACCCCAAGGAAGTCCTTTCCAAGTAACTCTGAAGAACAAAACAATCCTCAATAGCCCAA  
 AATCCAGTTGTTTTTGAACATCAGCTGAGGAAGTGGTAAAGGAAATTCGCTTCAGAATTGAACAGAAAA  
 CAACGCTAACAGCCAGCGCAGGCATCGCCCTAATAACAATGTTAGCAAAAGTGTGCAAGTATAAAGATAA  
 ACCAAAAGGACAGTACCAGATCGTCCCAAGCAGGAGCGCAGTGTGGACTTATCAAGGACTTGCCTATT  
 CGAAAGGTTTCTGGAATAGGAAAAGTTACGGAGAAAATGTTGCTGGCTCTCGGGATTGTTACTTGACAG  
 AACTCTACCAACAGAGAGCGTTTCT  
 TGCACTGGCCTGGGTTCAACAGACTGCGGAGGATGGAGAAAAGGAAAGTATGAGCGTTGAAAAGGACA  
 TTTAGTGAGATCAATAAAACAGAGGAACAGTACAGCTTGTCCAAGAACTGTGCACTGAGCTCGCCACG  
 ATCTCCAGAAGGAAGGACTTAAGGGCAGAACTGTCAACATCAAGCTGAAGAATGTGGATTTTGAAGTAAA  
 AACCCGCGCATCTACAGTACCGTCCGCCATTTCTACTGCAGAGGACATATTTGCCGTTGCCAAGGAGCTG  
 CTAAGGACAGAAGTCACTGCAGGCTCTCCACAGCCCTGCGGCTAAGACTGATGGGTGTTGCGATGTCTA  
 CTTTCTCCAACGACGATGACAGGAAGCACAACAAGGAGCATCATTGGCTTCTTACAAGCTGGAACCA  
 AGGTTTGTCAACCACTGGGTGACTGCAGACAGAAGTACAAAAGTGTGCTCGTAAAGCCCTTAGAAACG  
 TCTCGTAAAGAGGTTTCTTTGATAAAAAGCGATCAGAAAAGGATCCCGAACTGTCAAGACCCACCCAGAT  
 GTAAAATCGCGGGTGAAGCAAGCTTTACAGGCCTCGGAACCATCCCAAGCGTTGAAGAAGTGAAGCAGAG  
 TTTCAAAACCTCAGAGAATTCAAATGACCTCAGACATTTATATGTCCAGTTTGTCTTAGGGAGCAAGAA  
 GGCATCAGTCTGGAAGCCTTTAATGAACATGTAGATGCATGTCTCGATGGACCGTCCACCAGTGAGAACT  
 CAGAGATGCCAGTTACTCACATGCTTCGTCGCGGACATTTGGTCAGCAGGCACACCGTGTCTCCACT  
 GTGGGAGAAAACGGGGCATGGAGATGGAGAGATCACCTCAGGAGATGGTGCAGATCTAACAGAGACTGAA  
 GACAGATCGCCGAAAGCAGCAAGCATGGACGCTGTAGGGAATAATCACAGCGAAGGGGAGGGATATCCTG  
 ATAGTCAGGGCAAGTCTGCCCCTGTACCCCGCAAACGAACTGTCAGCACGTTAAGTAGGGAAGACTC  
 TGCCAGCCCTGTACAGATGAGGTAGTGACAGGACGAGCTCTAGTTTGTCCGTTTGTAACTAGAACA  
 GAGACGTCTGATCTCACCTCTTCAACATCCACGTGGACATTTGCTTAAATAAAGGCATCATCCAAGAAC  
 TGAGAAAACAGCGAAGTTAATTCAGTTAAGCAACCAAGGGAGCAGGAGAAGCACTGACAGACTTCAGAA  
 GGCTTCAGGAAAGACAAAAGGGCAGGCCGGAAGACAAAGGGCTCAACATCGAAGAGAACAAAACCCCGA  
 GATCCAGACACACCCTTGATGGATTTTTTAAATGA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** SgfI-MluI  
**ACCN:** NM\_138516  
**Insert Size:** 2556 bp

<b>OTI Disclaimer:</b>	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).
<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_138516.1</a> , <a href="#">NP_612525.1</a>
<b>RefSeq Size:</b>	3821 bp
<b>RefSeq ORF:</b>	2556 bp
<b>Locus ID:</b>	171525
<b>Cytogenetics:</b>	2q12
<b>Gene Summary:</b>	may mediate the increase of A:T to C:G transversions [RGD, Feb 2006]