

## Product datasheet for **RR202625**

### Prox1 (NM\_001107201) Rat Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Prox1 (NM_001107201) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Prox1
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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**ORF Nucleotide Sequence:**

>RR202625 representing NM\_001107201  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGCATCGCC**

ATGCCTGACCATGACAGCACAGCCCTCTTAAGCCGGCAAACCAAGAGGAGAAGGGTTGACATTGGAGTGA  
 AAAGGACGGTAGGGACAGCATCTGCATTTTTGCTAAGGCAAGGGCAACATTTTTAGTGCCATGAATCC  
 CCAAGGTTTCAGAGCAGGATGTTGAATATTCTGTGGTGCAACACGCAGATGGGAAAAAGTCAATGTACTC  
 CGCAAGCTGCTGAAGAGGGCGAACTCGTATGAAGATGCCATGATGCCTTTCCAGGAGCAACTATAATTT  
 CCCAGCTGTTGAAAAATAACATGAACAAAAACGGTGGCACCAGCCAGTTTCCAAGCCAGCGGACTCTC  
 TAGCACGGGCTCTGAAGTACATCAGGAGGATATATGTAGCAACTCTTCAAGAGACAGCCCCCAGAGTGT  
 CTTTCCCCTTTTGGCAGGCTACTATGAGCCAGTTTGATGTGGATCGCTTATGTGATGAGCACCTGAGAG  
 CAAAGCGCGCCCGGTTGAGAATATCATTGGGGTATGAGCCATTCAGGAGTGTGGCATTAAAGGGGCAA  
 TGAACGAAAGAGAGATGGCCCGCAGTCTGTGAGTCCCGAGAAAGTTACAGAGAAAAACAAACGCAAG  
 CAGAAGCTGCCAGCAGCAGCAACAGAGTTTCCAGCAGCTGGTTTCAGCCCGAAAAAGAACAGAAGCGAG  
 AGGAGCGCCGACAGCTGAAACAGCAGCTGGAAGACATGCAGAAGCAGCTGCGCCAGCTGCAGGAGAAGTT  
 CTACCAGTCTACGACAGCACCGACTCCGAAAATGATGAAGATGGCGACCTGTCTGAAGACAGCATGCGC  
 TCAGAGATCCTGGATGCACGGGCCAGGACTCGGTGGGGCGCTCAGACAAAGAGATGTGTGAGCTGGACC  
 CGGGGAGTTCATCGACAGGGCCGAGCCCTCATCAGGGAGCAGGAGATGGCCGAGAACAAGCCTAAACG  
 AGAAGGCAGCAACAAAGAAAGAGACCACGGGCCAACTCCCTGCAGCCGGAAGGCAAGCATCTGGCAGAG  
 ACCTTAAAAACAGGAGCTGAACACGGCCATGTACAGGTCGTGGACACAGTGGTCAAAGTCTTCTCAGCCA  
 AACCTCTCGCCAGGTTCTCAGGTCTTCCCACCTCAGATCCCCAGGCCAGATTCCAGTCAATGG  
 GGAAAACCAACAATTTCCACACCGCAACACAGCCCTGCAATGCTTTGGTATGTCATCATTCCGAACCCC  
 CTAGACACCTTTGGCAATGTGCAGATGCCTAGTCCACAGACCAGACGGAAGCCCTTCCCCTGGTGGTCC  
 GAAAAAATCATCTGAGCAATCCGCTCTGGCCCGCCACTGGTGGCCACCACCAGCCCTGCACCAGTCC  
 GCCCTTTCTGCCACCGCAGGCTTACCACCCCGACTTCCGCCATCCCTTTCCCCTGCCCTTAATGGCT  
 TACCCATTTAGAGTCCATTAGGTGCTCCCTCCGGCTCCTTCTCGGAAAAAGACAGAGCCTCTCCTGAGT  
 CCTTAGACTTGACTCGGGACACAACGAGTCTGAGGACCAAGATGTCATCCACCACCTGAGCCACCACCC  
 CTGTTACCAGCACACCCACCCAGCACCAGCAGGACTCTTTGTCACTATAAAGTCCGAGTGTGGA  
 GATCTTCAAGATATGCCGACATCTCTCCTTATTCGGGAAGCGCAATGAAGGGCTATCACCAATCACT

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>RR202625 representing NM\_001107201  
 Red=Cloning site Green=Tags(s)

MPDHDSTALLSRQTKRRRVDIGVKRTVGTASAFFAKARATFFSAMNPQGSEQDVEYSVVQHADGEKSNVL  
 RKLLKRANSYEDAMPPFGATIIISQLLKNMNKNGGTEPSFQASGLSSTGSEVHQEDICSNSSRDSPEEC  
 LSPFGRPTMSQFDVDRLCDEHLRAKRARVENIIRGMSHSPSVALRGNENEREMAPQSVSPRESYRENKRK  
 QKLPQQQQSFQQLVSARKEQKREERRQLKQLEDQMQLRQLQEKFYQVYDSTDENDEGDLSSESMR  
 SEILDARAQDSVGRSDNEMCELDPGQFIDRARALIREQEMAENPKREGSNKERDHPNSLQPEGKHLAE  
 TLKQELNTAMSQVVDTVVKVFSAKPSRQVPQVFPPLQIPQARFVAVNGENHNHFTANQRLQCFGDVIIPNP  
 LDTFGNVQMPSSDQTEALPLVVRKNSSEQSASGPATGGHHQPLHQSPLSATAGFTTSPFRHPFPLPLMA  
 YPFQSPGAPSGSFGKDRASPELSDLTRDTSRLRTKMSSHLSHHPSPAHPPSTAEGLSLSLIKSECC  
 DLQDMSDISPYSGSAMKGYHPIT

**TRTRPLEQKLI**SEEDLAANDILDYKDDDDKV

**Restriction Sites:**

Sgfl-MluI

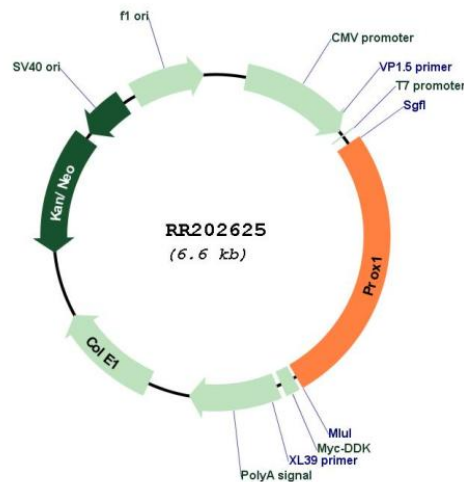
Cloning Scheme:

Cloning sites used for ORF Shutting:



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

Plasmid Map:



ACCN:

NM\_001107201

<b>ORF Size:</b>	1749 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_001107201.1</a> , <a href="#">NP_001100671.1</a>
<b>RefSeq Size:</b>	4129 bp
<b>RefSeq ORF:</b>	1752 bp
<b>Locus ID:</b>	305066
<b>Cytogenetics:</b>	13q27
<b>MW:</b>	64.8 kDa