

## Product datasheet for **MC209197**

### **Prrx1 (NM\_001025570) Mouse Untagged Clone**

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Prrx1 (NM\_001025570) Mouse Untagged Clone  
**Tag:** Tag Free  
**Symbol:** Prrx1  
**Synonyms:** A230024N07Rik; AA755424; AI385634; AI843499; K-2; mHox; Pmx; Pmx1; Prx1  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Cell Selection:** Neomycin  
**Fully Sequenced ORF:** >MC209197 representing NM\_001025570  
**Red**=Cloning site **Blue**=ORF **Orange**=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**GCGATCGCC**

ATGACCTCCAGCTACGGGCACGTTCTGGAGCGGCAACCGCGCTGGGCGGCCGCTTGGACAGCCCGGGCA  
ACCTCGACACCCTGCAGGCGAAAAAGAACTTCTCCGTAGTACCTGCTAGACCTGGAGGAGCCCGGGGA  
CATGGTGGCGGCACAAGCAGACGAAAGTGTGGGCGAGGCGGGCCGGAGCCTGCTGGAGTACCGGGACTG  
ACCACTGGCAGCGACACCCTCAGCAGGACAATGACCAGTTGAACTCTGAGGAGAAGAAGAAGAGAAAGC  
AGCGGAGAAACAGGACAACATTCACAGCAGCCAACTGCAGGCCTTGGAGCGTGTCTTTGAGCGGACACA  
TTACCCGGATGCTTTTGTTCGAGAAGATCTCGCACGTCGGGTGAACCTCACTGAGGCCAGAGTGCAGGTG  
TGGTTTCAGAACC GAAGACCAAGTTCGCGAGGAATGAGCGAGCCATGCTGGCCAATAAAAAAGCTTCTC  
TCCTCAAGTCTACTCAGGAGACGTGACTGCTGTGGAGCAACCCATCGTACCTCGTCTGCTCCAGACC  
AACCGATTATCTCTCTGGGGGACAGCCTCTCCGTACAGGTGA

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** Sgfl-MluI  
**ACCN:** NM\_001025570  
**Insert Size:** 603 bp  
**OTI Disclaimer:** 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).



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<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>	<u>NM_001025570.1, NP_001020741.1</u>
<b>RefSeq Size:</b>	4098 bp
<b>RefSeq ORF:</b>	603 bp
<b>Locus ID:</b>	18933
<b>Cytogenetics:</b>	1 70.53 cM
<b>Gene Summary:</b>	Acts as a transcriptional regulator of muscle creatine kinase (MCK) and so has a role in the establishment of diverse mesodermal muscle types. The protein binds to an A/T-rich element in the muscle creatine enhancer.[UniProtKB/Swiss-Prot Function]