

Product datasheet for **MG227273**

Prrx1 (NM_001025570) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Prrx1 (NM_001025570) Mouse Tagged ORF Clone
Tag: TurboGFP
Symbol: Prrx1
Synonyms: A230024N07Rik; AA755424; AI385634; AI843499; K-2; mHox; Pmx; Pmx1; Prx1
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >MG227273 representing NM_001025570
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGACCTCCAGCTACGGGCACGTTCTGGAGCGCAACCGCGCTGGCGGCCGCTTGACAGCCCGGGCA
 ACCTCGACACCCTGCAGGCGAAAAAGAACTTCTCCGTAGTACCTGCTAGACCTGGAGGAGGCCGGGA
 CATGGTGGCGCACAAGCAGACGAAAGTGTGGCGAGGCGGGCCGGAGCCTGCTGGAGTACCAGGACTG
 ACCAGTGGCAGCAGACCCCTCAGCAGGACAATGACCAGTTGAACTCTGAGGAGAAGAAGAGAAAGC
 AGCGGAGAAACAGGACAACATTAACAGCAGCCAAGTGCAGGCCCTGGAGCGTGTCTTTGAGCGGACACA
 TTACCCGATGCTTTTGTTCGAGAAGATCTCGCACGTCGGGTGAACCTCACTGAGCCAGAGTGCAGGTG
 TGGTTTCAGAACCAGGACCAAGTCCGAGGAATGAGCGAGCCATGCTGGCCAATAAAAAACGCTTCTC
 TCCTCAAGTCTACTCAGGAGACGTGACTGCTGTGGAGCAACCCATCGTACCTCGTCTGCTCCAGACC
 AACCGATTATCTCTCTGGGGGACAGCCTCTCCGTACAGG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >MG227273 representing NM_001025570
 Red=Cloning site Green=Tags(s)

MTSSYGHVLERQPALGGRLDSPGNLDTLQAKKNFSVSHLLDLEEAGDMVAAQADESVGEAGRSLLESPL
 TSGSDTPQQDNDQLNSEEKKRKRQRNRRTTFNSSQLQALERVFERTHYPDAFVREDLARRVNLTEARVQV
 WFQNRRAKFRNRERAMLANKNASLLKSYSGDVTAVEQPIVPRPAPRPTDYL SWGTASPYR

TRTRPLE - GFP Tag - V

Restriction Sites: Sgfl-MluI



Cloning Scheme:



ACCN: NM_001025570

ORF Size: 600 bp

OTI Disclaimer: 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. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

Components: 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).

Reconstitution Method:

1. Centrifuge at 5,000xg for 5min.
2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
3. Close the tube and incubate for 10 minutes at room temperature.
4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.
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.

RefSeq: [NM_001025570.1](#), [NP_001020741.1](#)

RefSeq Size: 4098 bp

RefSeq ORF: 603 bp

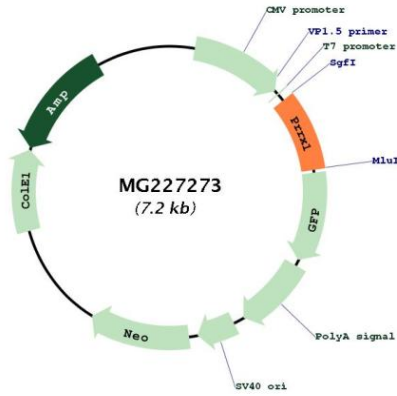
Locus ID: 18933

Cytogenetics: 1 70.53 cM

Gene Summary:

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]

Product images:



Circular map for MG227273