

## Product datasheet for **MR210273**

### **Pamr1 (NM\_173749) Mouse Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Pamr1 (NM_173749) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Pamr1
Synonyms:	5930437L24; E430002G05Rik; Ramp
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**ORF Nucleotide Sequence:**

>MR210273 representing NM\_173749  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGGAGCTAGACAGATGGGCGCAGTTGGGGCTGGTGTTCCTGCAGCTCCTTCTCATCTCATCGTTGCCAA  
 GAGAGTACACGGTCATTAAATGAAGCCTGTCCCGGAGCTGAGTGGAAACATCATGTGTAGAGAATGTTGTGA  
 ATATGATCAGATTGAATGCCTCTGCCAGAAAGAAGGAAGTGGTGGTTACACCATCCCATGCTGCAGG  
 AATGAGGATAATGAATGTGACTCCTGTCTAATTCACCCAGGTTGTACCATCTTTGAAAACTGCAAGAGCT  
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**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:** >MR210273 representing NM\_173749  
 Red=Cloning site Green=Tags(s)

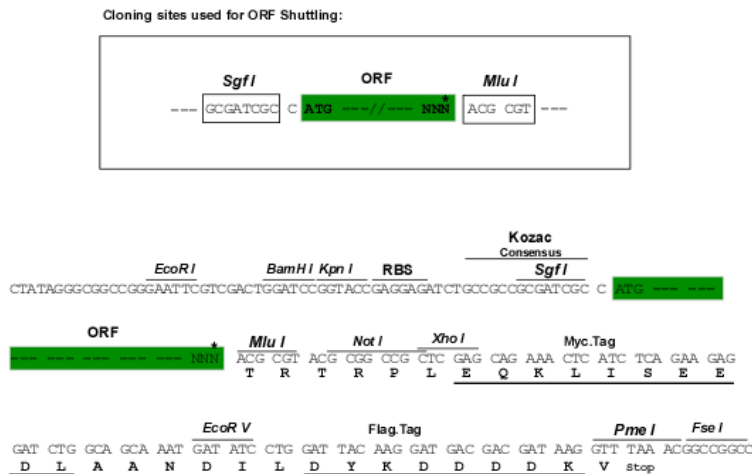
MELDRWAQLGLVFLQLLLISSLPREYTVINEACPGAAWNIMCRECCEYDQIECLCPGKKEVVGYTIPCCR  
 NEDNECDSCLIHPGCTIFENCKSCRNGSWGGLDDFYVKGFYCAECRAGWYGGDCMRGQVLRASKGQIL  
 LESYPLNAHCEWTIHARPGFIIQLRFGLMLEFDYMCQYDYVEVRDGDNSDPIIKRFCGNERPAPIRST  
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 ISDLVRRRVL SMQVQSRETPLHQLYSTAFSKQKLQDASTKKPALPFGDLPPGYQLHHTQVQYECISPFYR  
 RLGSSRRRTCLRTGKWSGRAPSCIPICGKIESTPSPKTQGTWRPWQAAIYRRTSGVHDGGLHKGAWFLVCS  
 GALVNERTVVVAHCVTELKATIIKTADLKVVLGKFRDDDRDEKSIQNLRVSAIILHPNYDPIILLDTD  
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 EEQHEDHGIPVSVTDNMF CASKDPSTPSDICTAETGGIAALSFPGRASPEPRWHLVGLVSWSYDKTCSNG  
 LSTAFTKVL PFKDWIERNMK

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

**Chromatograms:** [https://cdn.origene.com/chromatograms/mm9091\\_h01.zip](https://cdn.origene.com/chromatograms/mm9091_h01.zip)

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



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

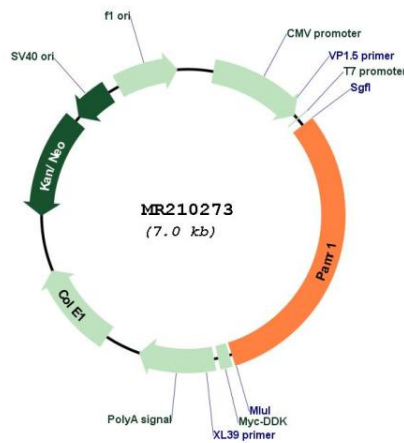
**ACCN:** NM\_173749

**ORF Size:** 2160 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.

<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_173749.4, NP_776110.3</u>
<b>RefSeq Size:</b>	2855 bp
<b>RefSeq ORF:</b>	2163 bp
<b>Locus ID:</b>	210622
<b>UniProt ID:</b>	<u>Q8BU25</u>
<b>Cytogenetics:</b>	2 E2
<b>MW:</b>	80.3 kDa
<b>Gene Summary:</b>	May play a role in regeneration of skeletal muscle.[UniProtKB/Swiss-Prot Function]

**Product images:**


Circular map for MR210273