

Product datasheet for **MG210273**

Pamr1 (NM_173749) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Pamr1 (NM_173749) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Pamr1
Synonyms:	5930437L24; E430002G05Rik; Ramp
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



[View online »](#)

ORF Nucleotide Sequence:

>MG210273 representing NM_173749
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGAGCTAGACAGATGGGCGCAGTTGGGGCTGGTGTTCCTGCAGCTCCTTCTCATCTCATCGTTGCCAA
 GAGAGTACACGGTCATTAAATGAAGCCTGTCCCGAGCTGAGTGGAAACATCATGTGTAGAGAATGTTGTGA
 ATATGATCAGATTGAATGCCTCTGCCAGAAAGAAGGAAGTGGTGGTTACACCATCCCATGCTGCAGG
 AATGAGGATAATGAATGTGACTCCTGTCTAATTCACCCAGGTTGTACCATCTTTGAAAACTGCAAGAGCT
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 GGCTCTTCACTCCATGTCTTTTCCATTCTGATGGCTCCAAGAACTTCGATGGCTCCACAGCTGTCTTTG
 AGGAGATCACAGCGTGCTCCTCATCCCCTGTTTCCATGATGGCACATGCCTCCTTGACACCACTGGGTC
 TTTCAAGTGTGCCTGCCTGGCTGGCTACACTGGGCAGCGCTGTGAAAATCTACTTGAAGAAAGAACTGC
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 CAGTACCCCTTCTGACATCTGCACTGCAGAGACAGGGGGCATCGCTGCTTTGTCTTCCAGGCCGAGC
 ATCCCCGAGCCACGCTGGCATTGGTGGGGCTGGTCAGCTGGAGCTATGACAAGACATGTAGCAATGGC
 CTATCCACAGCCTTCACAAAGGTGTTGCCGTTCAAAGACTGGATTGAGAGAAACATGAAA

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >MG210273 representing NM_173749
Red=Cloning site Green=Tags(s)

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MELDRWAQLGLVFLQLLLISSLPREYTVINEACPGAENWIMCRECCEYDQIECLCPGKKEVVGYTIPCCR
NEDNECDSCIHPGCTIFENCKSCRNGSWGGLDDFYVKGFYCAECRAGWYGGDCMRGGVLRASKGQIL
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GSSLHVLFHSDGSKNFDGFHAVFEEITACSSSPCFHDGTCLLDTTGSFKCACLAGYTQRCENLLEERNC
SDLGGPVNGYKKITEGPGLLNERHVKIGTVVSFFCNGSYVLSGNEKRTCQQNGEWSGKQPVCMKACREPK
ISDLVRRRVLSMQVQSRETPLHQLYSTAFSKQKLQDASTKKPALPFGDLPPGYQHLHTQVQYECISPFYR
RLGSSRRTRCLRTGKWSGRAPSCIPICGKIESTPSPKTQGTRWPWQAAIYRRTSGVHDGGLHKGAWFLVCS
GALVNERTVVVAHCVTELKATIIKTADLKVVLGKFRDDDRDEKSIQNLRVSAIILHPNYDPILLDTD
IAVLKLLDKARISTRVQPICLATTRDLSTSFQESHITVAGWNILADVRSFGKNDTLHYGMVRVVDPMCLC
EEQHEDHGIPVSVTDNMFCAKDPSTPSDICTAETGGIAALSFPGRASPEPRWHLVGLVSWSYDKTCSNG
LSTAFTKVLPPFKDWIERNMK
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TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



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.

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_173749.4](#), [NP_776110.3](#)

RefSeq Size: 2855 bp

RefSeq ORF: 2163 bp

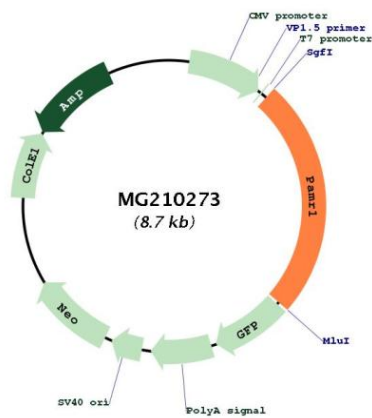
Locus ID: 210622

UniProt ID: [Q8BU25](#)

Cytogenetics: 2 E2

Gene Summary: May play a role in regeneration of skeletal muscle.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MG210273