

Product datasheet for **MG209549**

Pmel (NM_021882) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Pmel (NM_021882) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Pmel
Synonyms:	D10H12S53E; D12S53Eh; gp87; gp100; Pmel17; Si; Silv
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>MG209549 representing NM_021882
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGGTGTCCAGAGAAGGAGCTTCTTCCCGTGTCTGTGCTGAGTCTGCTGGCTGTGGGGCCCTAG
 AAGGATCCAGGAATCAGGACTGGCTTGGTGTCCCAAGACAACCTGTAACAAAACCTGGAACAGGCAGCT
 GTACCCCGAGTGACAGAGGTGCAGGGTCTAACTGCTGGAGAGGTGGCCAGGTATCTCTGAGGGTCATT
 AATGATGGGCCTACACTGGTTGGTGCAAAATGCCTCCTTTTCCATTGCCCTGCACTTCCCTGGAAGTCAAA
 AGGTACTACCGGATGGTCAGGTTATCTGGGCCAACACCCATCATCAATGGGAGCCAGGTGTGGGGAGG
 ACAGCCAGTGTATCCACAGGAGCCTGATGATGCCTGTGTCTTCCCTGACGGTGGACCCTGCCCATCTGGT
 CCTAAACCTCCGAAGAGAAGCTTTGTTTATGTTTGAAGACCTGGGAAAATACTGGCAAGTTCTGGGGG
 GTCAGTGTCCAGGCTGAGCATTGCTACGGGCCACGCAAAGCTGGGCACACACAATGGAAGTACTGT
 CTACCACCGACGGGTTCCAGAGCTACGTGCCCTTGTCTCACGCCAGTCAACCTTACCATTACTGAC
 CAGGTACCTTTCTCCGTGAGTGTGTCCAGCTACAGGCCTTGGACGGAGAGACCAAGCACTTCTGAGAA
 ATCATCTCTCATCTTTGCCCTCAGCTCCACGACCCAGTGGTATTTGGCCGAGGCGGACCTCTCCTA
 CACATGGGACTTTGGAGATGGTACTGGGACCCTGATCTCTCGGGCACTTGTACTCACACTTACCTG
 GAGTCGGGCTCAGTCACTGCCAGGTGGTACTGCAGGCTGCCATTCCTCTGTTTCTGTGGTTCCTCCC
 CAGTCCCGGTACCACAGATGGCTACATGCCAACTGCAGAAGCACCTGGAACCACATCTAGGCAAGGAAC
 CACTACAAAAGTTGTGGTACTACACTGGCCAGATGCCAACTACACAGCCCTCTGGAACCACAGTTGTA
 CAAATGCCAACCCAGAGGTACAGCTACTACATCTGAGCAGATGCTGACCTCAGCGGTATAGATACCA
 CACTGGCAGAGGTGCACTACAGAGGGTACAGGTACCACACCCACAAGGCCCTTCTGGAACCACCGTTGC
 ACAAGCAACAACCACAGAGGGTCCAGATGCCAGCCATTGCTGCCACACAAAAGTTCTACAGGGTCCATT
 AGCCCTCTACTGATGACACCGACACCATAATGCTTGTGAAGAGACAAGTTCCCTGACTGTGTTCTAT
 ATCGATATGGTCTTTCTCCCTCGCCCTGGACATTGTCCAGGATTGAAAGTGTGAGATCCTGCAGGC
 TGTGCCATTCAGTGAAGGGGATGCATTTGAGCTGACTGTGTCTGCCAAGGCGGGCTACCAAGGAAGCC
 TGTATGGACATTTATCACCAGGTTGCCAGCCCTGCCAGAGGCTGTGCCAGTCTGTTCCACCGAGCC
 CAGACTGCCAGTGGTTCTACACCAAGTGTGAAAGTGGCTCAGGGACATATTGCCATGTGTCTTT
 GGCTGACGCCAACAGCCTGGCAGTGGCCAGCACCAACTTGTGTTCTGGTCAAGACGGTGGCCTTGGG
 CAGGCTCCCTTGCTTGTAGGTATCTTGTGGTGTGGTGGCTGTGGTCTTGCATCTCTGATACATAGGC
 ATAGACTTAAGAAGCAGGGCTCAGTTTCCCAAATGCCACATGGTAGCACTCACTGGCTGCGCCTGCCTCC
 GGTCTTCCGCGCCCGCGGCTTGGAGAAAACAGCCCGCTCCTCAGTGGACAGCAGGTC

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence:

>MG209549 representing NM_021882
 Red=Cloning site Green=Tags(s)

MGVQRRSFLPVLVLSALLAVGALEGSRNQDWLVGPRQLVTKTWNRQLYPEWTEVQGSNCWRGGQVSLRVI
 NDGPTLVGANASF SIALHFPGSQKVLDPGQVIWANNTIINGSQVWGGQPVPYQPEPDDACVFPDGGPCPSG
 PKPPKRSFVYVWKTWGKYQVLGGPVSRLSIATGHAKLGHHTMEVTVYHRRGSQSYVPLAHASSTFTITD
 QVPFVSVSQQLALDGETKHFLRNHPLIFALQLHDPSTYLAEADLSYTWDFGDGTGLISRALDVHTHYL
 ESGSVTAQVVLQAAIPLVSCGSSPVPPTDGYMPTAEAPGTTSRQGTTKVVGTTTPGQMPPTQPSGTTVV
 QMPTTEVTATTSEQMLTSAVIDTTLAEVSTTEGTTPTRPSGTTVAQATTTEGPDASPLLPTQSSTGSI
 SPLLDLDTIIMLVKRQVPLDCVLYRYGFSLALDIVQGIESAELQAVPFSEGDAFELTVSCQGGPLPKEA
 CMDISSPGCQPPAQRLCQSVPPSPDCQLVLHQVLKGGSGTYCLNVSLADANSLAVASTQLVVPQGQDGLG
 QAPLLVGILLVAVVLA SLIHRHLKQGSVSMPHGSTHWLRLPPVFRARGLGENSPLL SQQV

TRTRPLE – GFP Tag – V

Restriction Sites:

SgfI-MluI

Cloning Scheme:


ACCN: NM_021882

ORF Size: 1878 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_021882.4](#)

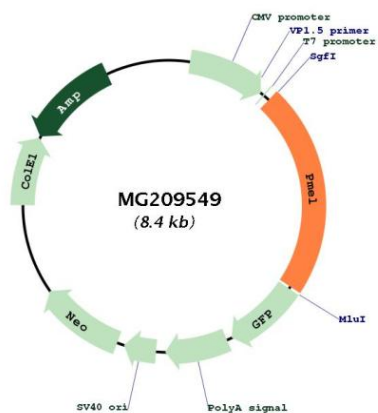
RefSeq Size: 2132 bp

RefSeq ORF: 1881 bp

Locus ID: 20431

Cytogenetics: 10 77.13 cM

Product images:



Circular map for MG209549