

Product datasheet for **MR209549**

Pmel (NM_021882) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Pmel (NM_021882) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Pmel
Synonyms:	D10H12S53E; D12S53Eh; gp87; gp100; Pmel17; Si; Silv
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>MR209549 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGGTGTCCAGAGAAGGAGCTTCTTCCCGTGTCTGTGCTGAGTCTGCTGGTGTGGGGCCCTAG
 AAGGATCCAGGAATCAGGACTGGCTTGGTGTCCCAAGACAACCTGTAACAAAACCTGGAACAGGCAGCT
 GTACCCCGAGTGACAGAGGTGCAGGGTCTAACTGCTGGAGAGGTGGCCAGGTATCTCTGAGGGTCATT
 AATGATGGGCTACACTGGTTGGTGCAAAATGCCTCCTTTTCCATTGCCCTGCACTTCCCTGGAAGTCAAA
 AGGTACTACCGGATGGTCAGGTTATCTGGGCCAACACCCATCATCAATGGGAGCCAGGTGTGGGGAGG
 ACAGCCAGTGTATCCACAGGAGCCTGATGATGCCTGTGTCTTCCCTGACGGTGGACCCTGCCCATCTGGT
 CCTAAACCTCCGAAGAGAAGCTTTGTTTATGTTTGAAGACCTGGGAAAATACTGGCAAGTTCTGGGGG
 GTCAGTGTCCAGGCTGAGCATTGCTACGGGCCACGAAAGCTGGGCACACACAATGGAAGTACTGT
 CTACCACCGACGGGTTCCAGAGCTACGTGCCCTTGTCTCACGCCAGTCAACCTTACCATTACTGAC
 CAGGTACCTTTCTCCGTGAGTGTGTCCAGCTACAGGCCTTGGACGGAGAGACCAAGCACTTCTGAGAA
 ATCATCTCTCATCTTTGCCCTTCACTCCACGACCCAGTGGTATTTGGCCGAGGCGGACCTCTCCTA
 CACATGGGACTTTGGAGATGGTACTGGGACCCTGATCTCTCGGGCACTTGTACTCACACTTACCTG
 GAGTCGGGCTCAGTCACTGCCAGGTGGTACTGCAGGCTGCCATTCCTCTGTTTCTGTGGTTCCTCCC
 CAGTCCCGGTACCACAGATGGTACATGCCAACTGCAGAAGCACCTGGAACCACATCTAGGCAAGGAAC
 CACTACAAAAGTTGTGGTACTACACTGGCCAGATGCCAACTACACAGCCCTTGGAAACCACAGTTGTA
 CAAATGCCAACCCAGAGGTACAGCTACTACATCTGAGCAGATGCTGACCTCAGCGGTACATAGTACCA
 CACTGGCAGAGGTGCACTACAGAGGGTACAGGTACCACACCCACAAGGCCTTCTGGAACCACCGTTGC
 ACAAGCAACAACCACAGAGGGTCCAGATGCCAGCCATTGCTGCCACACAAAAGTTCTACAGGGTCCATT
 AGCCCTCTACTGGATGACACCGACACCATAATGCTTGTGAAGAGACAAGTTCCCTGGACTGTGTTCTAT
 ATCGATATGGTCTTTCTCCCTCGCCCTGGACATTGTCCAGGATTGAAAGTGTGAGATCTGCAGGC
 TGTGCCATTCAAGGGGATGCATTTGAGCTGACTGTGTCTGCAAGGCGGGCTACCAAGGAAGCC
 TGTATGGACATTTATCACCAGGTTGCCAGCCCTGCCAGAGGCTGTGCCAGTCTGTTCCACCGAGCC
 CAGACTGCCAGTGGTTTACACCAAGTGTGAAAGTGGCTCAGGGACATATTGCCATGTGTCTTT
 GGCTGACGCCAACAGCCTGGCAGTGGCCAGCACCAACTTGTGTTCTGGTCAAGACGGTGGCCTTGGG
 CAGGCTCCCTTGTAGGTATCTTGTGGTGTGGTGGCTGTGGTCTTGCATCTCTGATACATAGGC
 ATAGACTTAAGAAGCAGGGCTCAGTTTCCCAAATGCCACATGGTAGCACTCACTGGCTGCGCCTGCCTCC
 GGTCTCCGCGCCCGCGGCTTGGAGAAAACAGCCCGCTCCTCAGTGGACAGCAGGTC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR209549 protein sequence
 Red=Cloning site Green=Tags(s)

MGVQRRSFLPVLVLSALLAVGALEGSRNQDWLVGPRQLVTKTWNRQLYPEWTEVQGSNCWRGGQVSLRVI
 NDGPTLVGANASFSLHFPQSQKVLDPGQVIWANNTIINGSQVWGGQPVPYQEPDDACVFPDGGPCPSG
 PKPPKRSFVYVWKTWGYWQVLGGPVSRLSIATGHAKLGTHTMEVTVYHRRGSQSYVPLAHASSTFTITD
 QVPFVSVSQQLALDGETKHFLRNHPLIFALQLHDPSTYLAADLSYTWDFGDGTGLISRALDVHTHTYL
 ESGSVTAQVVLQAAIPLVSCGSSPVPPTDGYMPTAEAPGTTSRQGTTKVVGTTTPGQMPPTQPSGTTVV
 QMPTTEVTATTSEQMLTSAVIDTTLAEVSTTEGTTPTRPSGTTVAQATTTEGPDASPLPTQSSTGSI
 SPLDDTDITMLVKRQVPLDCVLYRYGSFSLALDIVQGIESAELQAVPFSEGDFAFELTVSCQGGPLPKEA
 CMDISSPGCQPPAQRQCQSVPPSPDCQLVLHQVLKGGSGTYCLNVSADANSLAVASTQLVVPQGQDGLG
 QAPLLVGILLVAVVLAASLIHRHRLKQGSVSMPHGSTHWLRLPPVFRARGLGENSPLLSGQQV

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_021882

ORF Size: 1881 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: 2130 bp

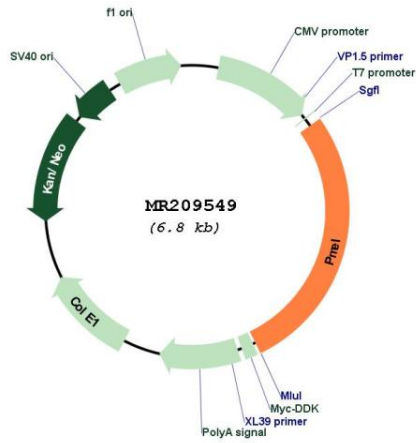
RefSeq ORF: 1881 bp

Locus ID: 20431

Cytogenetics: 10 77.13 cM

MW: 66.3 kDa

Product images:



Circular map for MR209549