

Product datasheet for **MG214117**

Pianp (NM_001145927) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Pianp (NM_001145927) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Pianp
Synonyms:	AI255183; AU067746; C530028O21Rik; Panp
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG214117 representing NM_001145927 Red=Cloning site Blue=ORF Green=Tags(s)

TTTGTAAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGTGGTCTGCTCAACTGCTGTCCCACTCCTCCCTCTCTGGCCACTGCTGTTGCTGTCCGTATTACCAC
 CTGCTCAGGGCTCCTCCCATCGATCCCCACCAGCCCCAGCCGCCGCCCTGCGTCCGGGTGGGCCCTC
 AGCCCCCTCGCCATGTGTGTTTGGGAGCGGGCGCCTCCGCCAAGCCGATCCCCACGGTCCCAAGATCA
 CGTCGGCAGTTGTGCCAGGCACTGCCCTCCTGCTACCCCATCAGGCTTTGAAGAGGGGCTCCCTCAT
 CTCAGTACCTTGGGCTATAGTGTGGGTCCCACAGTATCTCGGGAGGATGGAGGGGACCCCACTCGGT
 CAATCCTGGATTTCTGCCTCTGGACTATGGTTTTGCAGCCCCACATGGGCTGGCTACTCCGACCCCTAAC
 TCAGACTCCATGCGGGATGACGGAGACGGGCTCATCTTGGGAAACACCTGCTACCTTGAGGCCCTTCC
 TGTTTGGAGGGCGTGGAGAAGGTGTGGACCCTCAGCTTTATGTCACGATCACCATATCCATCATCATCGT
 TCTTGTGGCTACCGGCATCATCTCAAGTTCTGCTGGGACCGTAGCCAGAAGCGGCGCAGGCCCTCAGGG
 CAGCAAGGTGCCCTGAGGCAGGAGGAGTCAAGCAACCACTGACAGACCTGTCTCCTGCTGGAGTCACTG
 TGCTGGGGGCTTTTGGGACTCGCTACCCCCACCCCTGACCATGAGGAACCCCGAGGGGACCCCGGCC
 TGGGATGCCCCAGCCTAAGGGGGCTCCAGCCTTCCAGTTGAACCGGATTCCCTGGTGAATCTG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA


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Protein Sequence: >MG214117 representing NM_001145927
 Red=Cloning site Green=Tags(s)

MWSAQLLSQLLPLWPLLLL SVLPPAQGSSHRSPAPARPPCVRGGPSAPRHVCVWERAPPPSRSPRVPRS
 RRQVVPGTAPPATPSGFEEGPPSSQYPWAIWVGPTVSREDGGDPNSVNPGLPLDYGFAAPHGLATPHPN
 SDSMRDDGDGLILGETPATLRPFLFGRGEGVDPQLYVTITISIIIVLVATGIIFKFCWDRSQKRRRPSG
 QQGALRQEESQQPLTDLSPAGVTVLGAFGDSPTPTPDHEEPRGGPRGMPQPKGAPAFQLNRIPLVNL

TRTRPLE – GFP Tag – V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001145927

ORF Size: 834 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.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: [NM_001145927.1](#), [NP_001139399.1](#)

RefSeq Size: 2075 bp

RefSeq ORF: 837 bp

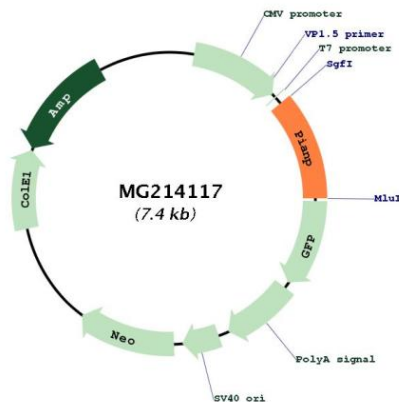
Locus ID: 319352

UniProt ID: [Q6P1B3](#)

Cytogenetics: 6 F2

Gene Summary: Acts as a ligand for PILRA in neuronal tissues, where it may be involved in immune regulation. [UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MG214117