

Product datasheet for **RG209935**

PXMP2 (NM_018663) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: PXMP2 (NM_018663) Human Tagged ORF Clone
Tag: TurboGFP
Symbol: PXMP2
Synonyms: MPV17L3; PMP22
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >RG209935 representing NM_018663
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGCGCCGGCCGCTCCAGGCTGCGGGCCGAAGCCGGGCTCGGGCGCTGCCGCGGGGGCGCTCGCCC
 AGTACCTGCTCTTCTGCGGCTTACCCGGTGCTACCAAGCGGCCACCAGTGGCATTCTTGTGAGCACT
 TGGAACTTCTGGCCAGATGATTGAGAAGAAGCGGAAAAAGAAAACCTAGAAGTCTGGATGTCGGT
 GGGCCTCTGAGATATGCCGTTTACGGTCTTCTTACAGGGCCGCTGAGTCACTTCTTCTACTTCTTCA
 TGAACATTGGATCCCTCCTGAGGTCCCTTGGCAGGGCTCAGGAGGCTTCTCCTGGACCGCTCGTCTT
 TGCACCGCCTTCTCATGTTGTTCTTCTCATCATGAACTTTCTGGAGGGGAAAGACGCCTCAGCCTTC
 GCCCCAAGATGAGGGGGGCTTCTGGCCGGCGCTGAGGATGAACTGGCGGGTGTGGACGCCACTACAGT
 TCATCAACATCAACTACGTCCTCTGAAGTTCCGGGTGCTCTTCGCCAACCTGGCAGCTCTGTTCTGGTA
 TGCTTCTGCTGCTTCTGGGAAG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >RG209935 representing NM_018663
 Red=Cloning site Green=Tags(s)

MAPAASRLRAEAGLGALPRRALAQYLLFLRLYPVLTKAATSGILSALGNFLAQMIEKKRKKENSRLDVG
 GPLRYAVYGFVFTGPLSHFFYFFMEHWIPPEVPLAGLRLLLDRLVFAPAFLMLFFLIMNFLEGGKASAF
 AAKMRGGFWPALRMNWRVWTPLQFININYVPLKFRVLFANLAALFWYAYLASLGK

TRTRPLE - GFP Tag - V

Restriction Sites: Sgfl-MluI



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Cloning Scheme:

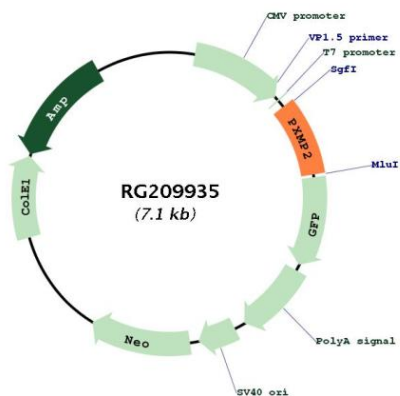

- ACCN:** NM_018663
- ORF Size:** 585 bp
- OTI Disclaimer:** The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each 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_018663.3](#)
- RefSeq Size:** 977 bp
- RefSeq ORF:** 588 bp
- Locus ID:** 5827
- UniProt ID:** [Q9NR77](#)
- Cytogenetics:** 12q24.33

Domains: Mpv17_PMP22

Protein Families: Transmembrane

Gene Summary: Seems to be involved in pore-forming activity and may contribute to the unspecific permeability of the peroxisomal membrane.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RG209935