

Product datasheet for **MG210242**

Plppr3 (NM_181681) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Plppr3 (NM_181681) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Plppr3
Synonyms:	Lppr3; Prg2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide
Sequence:

>MG210242 representing NM_181681
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCCGCATCGCC

ATGCTTGCTATGAAGGAGAAGAATAAACGCCGAAGGACAGCATGACACTCCTGCCTTGCTTTTATTTCCG
 TGGAGCTACCCATCGTGGCTTCCCTCATTGTGTCTCTGTACTTCCCTGGAGCTGACTGACCTGTTCAAGCC
 GGCCAAGGTGGGCTTTCAGTGCTACGACCGCGCCCTGTCCATGCCCTATGTGGAGACAAATGAAGAGCTG
 ATCCCATTGCTCATGCTGCTGAGCCTGGCCTTCGCTGCACCTGCGGCCTCAATCATGGTCGGCGAGGGCA
 TGGTCTACTGTCTGCAGTCCAGGCTCTGGGGCCGTGGTCCAGGGGGCGTGGAGGGCAGCATCAACGCTGG
 TGGCTGCAACTTCAACTCCTTCCCGGCGCACAGTGCCTTTGTGGGTGTACACGTGTTTGGCCTGTGT
 GCCACGGCTCTGGTGACAGATGTCATCCAGCTGGCCACCGGCTACCACACACCTTCTTCTTAACGGTCT
 GCAAACCAATTACACCCTGCTGGGCATTCTGTGAGTCGAACCCTTACATCACACAGGACATCTGCTC
 TGGCCACGATACCCATGCCATCCTGTGAGCAAGGAAGACCTTCCCGTCCCAGCACGCCACTCTGTACGCC
 TTTGCTGCTGTCTACGTGTGATGACTTCAACCGGTTATCTCGGACACCACGAAGCTGCTGAAGCCCA
 TCCTTGTGTTTGCCTTCGCCATTGCTGCGGGCGTCTGCGGCCTCACACAGATCACCCAGTATCGAAGCCA
 CCCTGTGGACGTCTACGCTGGCTTTCTTATCGGTGCTGGCATCGCTGCCTACCTGGCCTGCCACGCTGTG
 GGCAACTTCCAGGCACCCTGCAGAAAAGGTTCTACCCAGCTCCTGCCAAGGACGCCCTGCGAGCGC
 TGACACAGCGGGGCCATGAGTCCATGTATCAGCAGAATAAGTCTGTGAGTACCGATGAGCTGGGCCCTCC
 AGGGAGGCTAGAGGGCGTGCCTCGGCCTGTGGCTCGAGAGAAGACATCTTTGGCAGCCTGAAGCGAGCC
 AGCGTGGATGTGGACCTGCTGGCCCCACGTAGCCCCATGGGCAAGAAGGCATGGTCACCTTCCAGCAACA
 CACTGCCCGGGTCCAGCAGCCCTCGCTGGATGACCTGCACGGCGCCACATGACTATCCAGTGGCCCT
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 TACTGTCCAGGCTCGGCCAGGCCTTGGGCCCGAGTCACTCCTGCCTCCAAGGCCAGGGCCCCAGCCCTC
 GTACACATCCCTGAGGAAGGCGTTCAGGCTGGAGCTGGCCTGTCACCCAAGAGCAGCAGCTCATCAGTGA
 GGGCCAAGTGGCTGTCAATGGCTGAGAAGGGTGGGGGCCAGTGGCTGTGGCTCCATCCCAGCCCCGGT
 GGCCAACCCAGGCTACTACAGTCACTCGCTATGTCCAAGGCGCAGGGGGCCCCAAGGCTGAGACA
 GCTTCGCTCCAGTGCCAGCTCCGACTTCCCAGTACAGGTCCCCGTGACACCGTGTCTGCTGGCAGCACCC
 TGGGATGGAAGGCTAAAGTAGTGGAGGGTGGGGTAGCTATGAGCTGGGGACCTGGCACGCGGCTTCAAGC
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 GGGCAGTGGCCACTGTCAACCTGGCCACTGGGGAGGGTCTGCCCCACCAGGTGCAAGTGAAGGGGCCCT
 AGGTGCAGGCAGCAGAGAATCCACCCTAAGGCGCCAGGTGGGCGGGTGGCAGAGAGAGAAGTGGAGGCT
 GAGGCAGAAAGTTATTATAGGAGGATGCAGGCCAGGAGGTACCAGGAC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >MG210242 representing NM_181681
 Red=Cloning site Green=Tags(s)

MLAMKEKNKTPKDSMTLLPCFYFVELPIVASSIVSLYFLELTDLFKPAKVGFCYDRALSMPYVETNEEL
 IPLLMLLSLAFAAPAASIMVGEGMVYCLQSRLWGRGPGGVEGSINAGGCNFSFLRRTVRFVGVHVFGLC
 ATALVTDVIQLATGYHTPFLLTVCKPNYTLTGTSCESNPYITQDICSGHDTMAILSARKTFPSQHATLSA
 FAAVYVSMYFNAVISDTTKLLKPILVFAFAIAAGVCGLTQITQYRSHPVVDVYAGFLIGAGIAAYLACHAV
 GNFQAPPAEKVPTPAPAKDALRALTRGHESMYQQNKSVSTDELGPPGRLEGVPRPVAREKTSLGSLKRA
 SVDVDLLAPRSPMGKEGMVTFSTNTPRVSTPSLDDPARRHMTIHVPLDASRSRQLIGEWKQKSLEGRGLG
 LPDEASPVHLRAPAEQVAEEEEEEEEEEEEEEEEEGPVPPSLYPTVQARPGLGPRVILPPRPGPQPL
 VHIPEEGVQAGAGLSPKSSSSSVRAKWL SMAEKG GGPVAVAPSQPRVANPPRLQLVIAMSKAAGGPKAET
 ASSSSASSDSSQYRSPDRDSASIVTIDAHAHPHPVVHL SAGSTPWEWKAKVVEGEGSYELGDLARGFRS
 SCKQPGMGPGSPVSDVDQEEPRFGAVATVNLATGEGLPPP GASEGALGAGSRESTLRQVGGLAEREVEA
 EAESYYRRMQARRYQD

TRTRPLE - GFP Tag - V

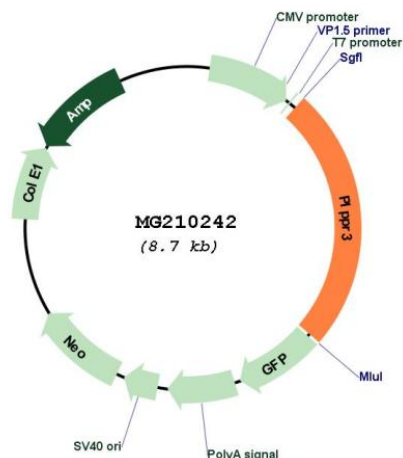
Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shutting:



Plasmid Map:



ACCN: NM_181681

ORF Size: 2148 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_181681.2](#)

RefSeq Size: 2783 bp

RefSeq ORF: 2151 bp

Locus ID: 216152
UniProt ID: [Q7TPB0](#)
Cytogenetics: 10 C1