

Product datasheet for **MG222407**

PPP6r3 (NM_001164159) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	PPP6r3 (NM_001164159) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	PPP6r3
Synonyms:	4930528G08Rik; 9130026N02Rik; D19Bwg1430e; D19Ertd703e; mKIAA1558; Pp6r3; Ppcs3; Pptcs3; Sapl; Saps3
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide
Sequence:

>MG222407 representing NM_001164159
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGTTTTGGAAATTTGATCTTCACTCATATCCCACATAGACACGCTTCTAGAGAGAGAAGATGTGACAC
 TGAAGGAGCTAATGGATGAGGAGGATGTTCTACAGGAGTGTAAAGCACAGAACCAGCTCATAGAATT
 TCTGTTAAAAGCAGAATGTCTGGAAGATTTAGTCTCATTATTAGAAGAACCCTCAAGATATGGAT
 GAGAAGATCCGATACAAGTATCCAAATATATCTTGTGAGTTGCTCACATCTGATGTCTCCAGATGAATG
 ATAGACTGGGGGAAGATGAGTCTTGCTAATGAAATTGTATAGCTTCTCCTAAATGAGTCCCCCTTGA
 CCCACTACTCGCCAGTTTCTTCCAGCAAGGTGCTAAGTATTCTTATCAGCAGAAAACCAGAACAGATTGTG
 GATTTCTTAAAAAGAAGCGTGATTTTGTGGATCTCATTATAAAGCACATAGGAACCTTCTGCTATCATGG
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 GCCTCACAACTCACTTTGTGAAATTTGTCGCTGAGCAGAGACCAGATGTTACAAGTTCAGAACAGTACAG
 AGCCAGACCCCCTGCTTGCCACTCTAGAAAAGCAAGAAATTTATTGAGCAGCTTCTGTCAAATATTTTTCA
 CAAGGAGAAGAATGAATCGGCCATAGTCAGTGCATTCAGATTTTGTGACTTTGCTTGAGACTCGACGG
 CCAACGTTTGAAGGCCATATAGAAATCTGCCCCCGGGCATGAGTCATTAGCTTGTTCAGTTAACAAAGA
 GTGTTCTTGAAGCCATCCGAGGAAGACTTGGATCTTCCATGAATCCTACTCGACCCCAAGAAAAG
 TGTGATGAAGACTACATGGGGTATATTGGACCCACCTGTGGGAACTCGATTAATGTCATTAGTTG
 ATATCCAGCCTGCTCAAACCAATACCAGCAGCATAAATGGAGACCTGATGGAAGTGAACAGCATTGGCG
 TCATATTGGATATGTTCTTCAAGTACACATGGAATAACTTTCTACACAGCAAGTGGAAATTTGCATTGC
 TCTCATTCTGGCCAGTCTTTTGAAGTGCAGAGAATGGCACAATTAAGTATCAAGACTCCACTGGTGAC
 AATTTGTTATTGAAGCATCTTTTCAAAGTGTCAAGTTAATAGAGCGAATACTTGAAGCCTGGGACACAA
 ATGAGAAGAAACAGGCTGAAGGAGGACGACGGCATGGTTACATGGGACACCTTACGAGGATAGCTAACTG
 TATTGTGCACAGCACTGACAAGGTCGCAACAGTGCCTTAGTACAGCAGCTCATCAAAGTCTTCCCGAT
 GAAGTCAGGGAGCGTGGGAGACGTTCTGCACGAATCCTTAGGAGAGACGAACAAGAGGAACACGGTAG
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 GTCAGATATCAACTTTACTCTCAATACAAATGAAAGTGGAAATATTGCCCTGTTTGAAGCATGTTGTA
 GAACGGATACAACAATTTGATGATGGCGCTCTGATGAAGAGGATATCTGGGAGGAGAAGCACATTGCAT
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 AGAAGATGGGGCCAAACAAGACCTGTTTGAAGTCCAGCAGTGCACACAGAGGACAAAATGGAGGTGGAT
 CTGAATGAGCCACCCACCTGGTCAAGCACTTTGACGTCCCAATGGAAACCACCCATGGTGTCCCTTAG
 ACTCCGTGGGATCCGATGTCTGGAGCACAGAGGAGCAATGCCAACTAAAGAGACAGGCTGGGCTTCCCT
 TTCAGAGTTCACATCCTCCCTGAGCACAAGGAGTCTTTAAGGAGTAATTCGCTGTGGAATGAAACC
 AGCACTGAATCCGTGGACCCCTTGACACCTGGTGCAGTGCCTTGGCCACTCAGCCAGAGGACCCAGGCA
 GTATGGCCATGGAAGCCAGCTCAGATGGGAAGAGGATGCTGAGAGTACAGACAAGGTAAGTACTGAGACCGT
 GATGAATGGCGGCATGAAGGAAACACTCAGCCTCACTGTAGACGCCAAGACAGAGACTGCAGTCTTCAA
 AGTGAGGAAGAAAAACTGTCTACCTCTCAAGATGCTGCTTGCAAAGATGCAGAAGAGACCCAGAGCCAG
 CAGAGGCCAAGTGCAGCTCCCTGACTCCAGCAGTAGTCCCGAGCAAGGACCGACCCAGCAAGCAT
 GCCAAGCGACCCATCAGTTAATGGCCCTGTA

ACCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >MG222407 representing NM_001164159
Red=Cloning site Green=Tags(s)

MFWKFDLHSSSHIDTLLEREDVTLKELMDEEDVLQECKAQRKLI EFLKAECL EDLVSFII EEPQDMD
EKIRYKYPNISCELLTSDV SQMNDRLGEDESLLMKLYSFL LNESPLNPLLASFFSKVLSILISRKPEQIV
DFLKKKRDFVDLIIKHIGTSAIMDLLRLLTCIEPPQPRQDVLNWLNEERIIQRLVEIVHPSQEEDRHSN
ASQSLCEIVRLSRDQMLQVQNSTEPDPLLATLEKQEIEQLLSNIFHKEKNESAIVSAIQILLTLETRR
PTFEGHIEICPPGMSHSACSVNKSYLEAIRGRLGSFHELLEPPKKSVMKTTWGILDPPVGNTRLNVIRL
ISSLLQTNTSSINGDLMELNSIGVILDMFFKYTWNNFLHTQVEICIALILASPFENAENGTITDQDSTGD
NLLLKHLFQKQQLIERILEAWDTNEKKQAEGRRHGYMGHLTRIANCIVHSTDKGPNSALVQQLIKDLPD
EVRERWETFCTNSLGETNKRNTVDLFGFNDEKFADQDDIGNVSFDRVSDINFTLNTNESGNIALFEACCK
ERIQQFDDGGSD EEDIWEEKHIAFTPESQRRSSSGST DSEESTDSEEDGAKQDLFESSANTEDKMEVD
LNEPPTWSANFDVPMETTHGAPLDSVGSVDVWSTEEMPTKETGWASFSEFTSSLSTKESLRNSPVEMET
STESVDPLTPGAAALATQPEAPGSMAMEASSDGEEDAESTDKVTETVMNGGMKETLSLTVDAKTETAVFK
SEEEKLSTSQDAACKDAEETPEPAEAKCTAPLTPSSSPEQRTDQPSMPSDPSVNGPV

TRTRPLE - GFP Tag - V

Restriction Sites: Sgfl-MluI

Cloning Scheme:



ACCN: NM_001164159

ORF Size: 2481 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_001164159.1](#), [NP_001157631.1](#)

RefSeq Size: 4693 bp

RefSeq ORF: 2484 bp

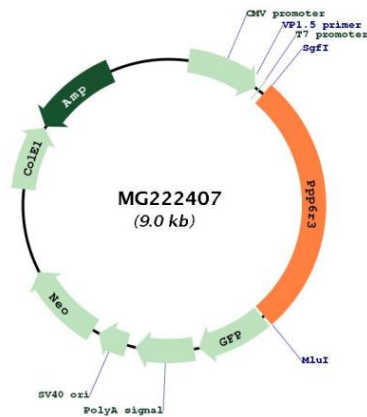
Locus ID: 52036

UniProt ID: [Q922D4](#)

Cytogenetics: 19 3.21 cM

Gene Summary: Regulatory subunit of protein phosphatase 6 (PP6). May function as a scaffolding PP6 subunit. May have an important role in maintaining immune self-tolerance (By similarity). [UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MG222407