

## Product datasheet for **MG217991**

### **Papd5 (NM\_001164497) Mouse Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Papd5 (NM_001164497) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Papd5
Synonyms:	5730445M16Rik; 5830428A09
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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**ORF Nucleotide Sequence:**

>MG217991 representing NM\_001164497  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGTTCCGCTCGGGGAGCGCCACTGGCGGCCTCGCCGTGCCCGGGAGCAGCGGGACTTCTGCCCC  
 TGGAGACGACCAACAACAACAACATCACACCAGCCGGCGGCCTGGGCACGGCGGCATCGGCGGGCC  
 CTCGGCGTCGCCGTCCCATCGGCTCCCTCGTCCCGCGACCGCGGCCCACTCCCGCCTCCGAGTCT  
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 ACAGCCTGCTGCAGCCAGCGGAGGGCGCGCGCCGGAGCGGACGGGCGGACGGCGGGGGCGTGTA  
 CAGCGGGACCCCGTGAAGCGACGGAACACAACCAGGGAGTCTGGGTCTGCATGAAGAAATCAGTGAT  
 TTTTATGAGTACATGTCTCCAGACCCGAGGAAGAGAAGATGCGGATGGAGGTAGTGAGCAGGATCGAGA  
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 GCCCTTCGAAACACAAAGTCGCTGACGAGGATTCCTGAAAAGTTCTAGACAAAGCAACGGTTCCTATTA  
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 TCGAAGATCCTTTACAACCAGTAATGATGTTGGAAGGAGTTCCATGGGGCCATGCAGGTGAAACAGCG  
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 AACAGTGGGGCTTGCAGAATAGGCCGAGCCATCATGCAACGGAATGGTGTACCTTGATAGTAGATAC  
 TCAGCAGTTAGATAAGTGAATAATAATCTGTCTGAAGAAAAGGAAGCCCTTGGAAAATGTAGAAGTAAC  
 GCCTCGGAACCTCTTAGTAAACTCTTCAAACCTTTCATCAGGTCCAGTGTCTCTCTCTGCCACGC  
 AGTCCAGCTCTAGTGACGTGATTTCTGATGCAACGCCATGCAAAACCCCAACAGCTGCTCTGCCGTCC  
 ACCCACTGTACCCGGGTAGGCTCACAGGATGTCTCTTGGAGGTCTCTCAGGCAGTTGGAAAAATGCAG  
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 CTTCAGCAAAGGCTTCCAAGGTACAGCTCAAACCAAGCCATGGGGCCTTGATGACAAGCAAACAGCATCA  
 AGGCAAATCCAATACTCAGTATTACCATGGCAAAAAGAGGAGACACAAGGGGACGCGCCCTCTCAGAG  
 CTTTGTAGA

**ACGCGT**ACGCGGGCCGCTCGAG – GFP Tag – GTTTAA

**Protein Sequence:**

>MG217991 representing NM\_001164497  
 Red=Cloning site Green=Tags(s)

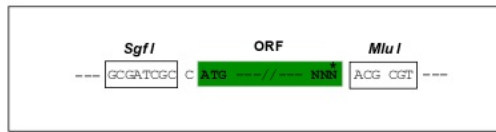
MFRSGERPLGGLAVPAEQRDFLPLETTNNNNHHQPAAWARRASAGPSASPVPSAPSSPRPAAALPASES  
 TDPASGSSNKRKRDNKASTYGLNYSLLQPSGGRAAGGGRADGGGGVYSGTPWKRRNYNQGVVGLHEEISD  
 FYEYMSRPEEEKMRMEVVSRIESVIKELWPSADVQIFGSFKTGLYLPTSDIDL VVFGKWENLPLWTL EE  
 ALRKHKVADEDSVKVLDKATVPIIKL TDSFTEVKVDISFNQNGVRAADLIKDFTKKYPVLPYLVLVKQ  
 FLLQRDLNEVFTGGIGSYSLFLMAVSFLQLHPREDACIPNTNYGVLLIEFFELYGRHFNYLKTGIRIKDG  
 GSYVAKDEVQKNMLDGYRPSMLYIEDPLQPGNDVGRSSYGAMQVKQAFDYAYVVLSHAVSPIAKYYPNNE  
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 ASEPLSKHSSNSSSGPVSSSSATQSSSSDVSDATPCKTPKQLLCPPTVTRVGSQDVSLEVSQAVGKMQ  
 STQTTNTPNNANKSQHGSARLFRSSSKGFQGTATQTSHGALMTSKQHKGKSNTQYYHGKRRRHKRDAPLSE  
 LCR

**TRTRPLE** – GFP Tag – V

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**

Cloning sites used for ORF Shutting:



**ACCN:** NM\_001164497

**ORF Size:** 2040 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\\_001164497.1](#), [NP\\_001157969.1](#)

**RefSeq Size:** 4642 bp

**RefSeq ORF:** 2043 bp

**Locus ID:** 214627

**UniProt ID:** [Q68ED3](#)

