

Product datasheet for **MG207763**

Papd4 (BC016629) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Papd4 (BC016629) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Papd4
Synonyms:	8030446C20Rik; AI649009; GLD-2; Gld2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>MG207763 representing BC016629
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCCGCATCGCC

ATGTTCCCAAACCTCAATTTGGGTCGTCCACCCTTCACTCCAACCCACCAACAGCATAATAAATTCTTTG
 CTCTCTCACCAACTCTTTATTACACCAGCAACTTATAGATGCACAATCAACTTTCAAAATGTAGACTT
 GTCTAGAGCTGTGTCTTACAGCCTCTGACATATGGAAGTGTGAGTCCAATACAGACCTCAACATCTCCA
 TTATTTTCGAGGAAGGAAGAGAATAAGCGATGAAAAAGCTTTTCTCTTGTGTTAAACGGCAGCGTTTCC
 ATTCACCCACCAAGAGCCAATAATCAACCAGCTAGTGCCTTATCAGGTGACAGAAGATATCCAT
 GCCACCGTTGTTTACACGCACTATATACCAGATATAGTCAGATGTGTTCCACCTCTTCGAGAAATCCA
 CTGTTAGAACCTCGAGAAATCACACTGCCTGAGGCCAAAGATAAGTTGAGTCAGCAGATACTAGAGTTGT
 TTGAAACTTGTGAGCAGCAAGCAAGTACTTGAAGAAGAAAGAACTCTGTAGAGCACAGCTGCAGAGAGA
 GATCCAGCTGCTCTCCACAAAGCAGACTTTTTCTCGTTGGATCATCTTGAATGGATTTGGTGCCCGA
 AGCAGTGTGGCGATTTATGCTTAGTTGTTAAAGAAGAACCATGTTTTTCCAGGTAAATCAGAAGACTG
 AAGCACGACATATACTCACCTTAGTCCATAAGCACTTCTGTACTAGACTGTCTGGCTATATTGAGAGACC
 TCAGCTGATTCGAGCAAAAGTGCCAATTGTGAAGTTCAGGGATAAAGTCAGTTGTGTGGAATTCGACTTA
 AATGTAACAATACCGTTGGAATTAGAAATACATTCCTTCTCAGAACCTATGCATACCTTGAAAATCGAG
 TTCGTCCATTAGTGTGGTGATTAAGAAGTGGGCAAGTACCATGACATCAATGATGCCAGTCGTGGCAC
 ATTAAGCAGCTATAGTCTGTATTGATGGTTTTGCACTATTTACAACCCTACCTGAACCCATCCTTCCA
 TCCCTCCAAAAATTTACCCAGAATCTTTAGTACTTCTGTCCAGCTGCACCTTGTTCATCATGCCCCAT
 GTAATGTCCTCCTTACCTCTCAAAGAATGAATCAAGTCTTGGGACCTTTACTGGCTTCTGAAATA
 TTATGCTACAGAATTTGACTGGAACACTCAGATGATTTCAAGTTCGTGAAGCCAAAGCCATCCCAAGGCT
 GATGATATGGAATGGAGAAATAATACATCTGTGTTGAAGAACCCTTTGATGGAATAATACCGCCAGAG
 CTGTGCATGAGAAGCAGAAGTTTATGATGATCAAGGATCAATTTTTAAAGTCATGGCAGAGATTGAAAA
 CAAGAGAGATCTGAACAGTGTGCTGCCTTTGAGAGCTGTACCCTGAAAAA

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>MG207763 representing BC016629
 Red=Cloning site Green=Tags(s)

MFPNSILGRPPFPTHQQHNNFFALSPTLYSHQQLIDAQFNFQNVLSRAVSLQPLTYGTVSPIQTSTSP
 LFRGRKRISDEKAFPLDGKRQRFHSPHQEPTIINQLVPLSGDRRYSMPPLFHHTHYIPDIVRCVPLREIP
 LLEPREITLPEAKDKLSQQILELFETCQQQASDLKKKELCRAQLQREIQLLFPQSRLFLVGSLLNGFGAR
 SSDGDLCLVVKEEPCFFQVNQKTEARHILTLVHKHFCTRLSGYIERPQLIRAKVPIVKFRDKVSCVEFDL
 NVNNTVGIIRNTFLLRITYAYLENRVRPLVLVIKKWASHHDINDASRGLSSYSLVLMVLHYLQTLPEPILP
 SLQKIYPEFSTSVQLHLVHHAPCNVPPYLKNESSLGDLLLGLFKYYATEFDWNTQMISVREAKAIPRP
 DMEWRNKYICVEEFPDGTNTARAVHEKQKFDMIKDQFLKSWQLKKNRDLNSVPLPLRAATLKR

TRTRPLE - GFP Tag - V

Restriction Sites:

Sgfl-Mlul

Cloning Scheme:



ACCN: BC016629

ORF Size: 1454 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: [BC016629](#), [AAH16629](#)

RefSeq Size: 1897 bp

RefSeq ORF: 1454 bp

Locus ID: 100715

Cytogenetics: 13 C3

