

## Product datasheet for **RG215474**

### **DAPP1 (NM\_014395) Human Tagged ORF Clone**

#### Product data:

Product Type:	Expression Plasmids
Product Name:	DAPP1 (NM_014395) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	DAPP1
Synonyms:	BAM32
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG215474 representing NM_014395 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGGCAGAGCAGAACTTCTAGAAGGGAAGATGAGCACCCAGGATCCCTCAGATCTGTGGAGCAGATCCG  
ATGGAGAGGCTGAGCTGCTCCAGGACTTGGGTGGTATCACGGCAACCTCACACGCCATGCTGCTGAAGC  
TCTTCTCCTCTCAAATGGATGTGACGGCAGCTACCTTCTGAGGGACAGCAATGAGACCACGGGCTGTAC  
TCTCTCTCTGTGAGGGCCAAAGATTCTGTTAAACACTTTCATGTTGAATATACTGGATATTCATTTAAAT  
TTGGCTTTAATGAATTCTCATCTTTGAAGATTTGTCAAGCATTTTGCAAATCAGCCTTTGATTGGAAG  
CGAGACAGGCACTCTGATGGTTCTAAAACATCCCTACCCAAGAAAAGTGAAGAACCCTCCATTTATGAA  
TCTGTCCGGTTACACAGCAATGCAGACAGGAAGAACAAGATGACCTTGTGCCACAGCACCTTCTC  
TGGGCACCAAAGAAGTTACCTCACAAACAGGGAGGCCTGGTCAAGACCTGGAAAAAAGATGGTTTAC  
TCTGCACAGGAATGAACTGAAATACTTCAAAGACCAGATGTCACCAGAACCAATTCGGATCCTAGACCTA  
ACAGAAATGTTTCACTGTACAATTCGATTATTCACAAGAAAGGGTAAACTGTTTTTGTGGTATTTCCAT  
TCAGGACATTTTATCTCTGTGCAAAGACCGGAGTAGAAGCTGATGAGTGGATCAAGATATTACGCTGGAA  
ATTGGTCAAGGACAAAAGCTGTATTTGTCTGTCTCTGTATATCTCCCGAGGAGAAGACTGATCACAAA

**ACGCGTACGCGGCCGCTCGAG** - GFP Tag - GTTTAA



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**Protein Sequence:** >RG215474 representing NM\_014395  
 Red=Cloning site Green=Tags(s)

MGRAELLEGKMSIQDPSDLWSRSDGEAELLQDLGWYHGNLTRHAAEALLSNGCDGSYLLRDSNETTGLY  
 SLSVRAKDSVKHFHVEYTGYSFKFGFNEFSSLKDFVKHFANQPLIGSETGTLMLVLPYPRKVEEPSIYE  
 SVRVHTAMQTGRTEDDL VPTAPSLGTKEGYLTKQGGVKTWKTRWFTLHRNELKYFKDQMSPEPIRILD  
 TECSAVQFDYSQERVNCFCLVFPFRTFYLCAKTGVEADEWIKILRWKLVKDKSCILSALCISPEEKTDHK

TRTRPLE - GFP Tag - V

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**ACCN:** NM\_014395

**ORF Size:** 840 bp

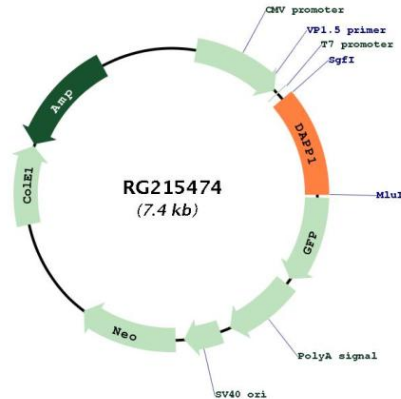
**OTI Disclaimer:** The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone 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:	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
RefSeq:	<a href="#">NM_014395.1</a> , <a href="#">NP_055210.1</a>
RefSeq Size:	2953 bp
RefSeq ORF:	843 bp
Locus ID:	27071
UniProt ID:	<a href="#">Q9UN19</a>
Cytogenetics:	4q23
Domains:	SH2, PH
Protein Families:	Druggable Genome, Phosphatase
Protein Pathways:	B cell receptor signaling pathway
Gene Summary:	May act as a B-cell-associated adapter that regulates B-cell antigen receptor (BCR)-signaling downstream of PI3K.[UniProtKB/Swiss-Prot Function]

### Product images:



Circular map for RG215474