

## Product datasheet for **MG206574**

### Pick1 (NM\_001045558) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Pick1 (NM_001045558) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Pick1
Synonyms:	Prkcabp
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG206574 representing NM_001045558 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGTTTGCAGACTTAGACTATGACATCGAGGAGGATAAATTAGGAATCCCCTACTGTGCCTGGGAAGGTCA  
CCCTACAGAAGGATGCCAGAACCTGATTGGGATCAGCATCGGAGGAGGGGCCCAACTGTCTTGTCT  
CTATATCGTCCAGGTATTTGATAACACGCCTGCAGCCTTGGATGGCACTGTGGCAGCTGGTACGAGATC  
ACTGGGGTCAATGGCAAGTCAATCAAAGGAAAAACCAAGGTAGAGGTGGGAAGATGATTCAGGAAGTGA  
AGGGGGAGGTGACCATCCATTACAACAAGCTGCAGGCGGACCCTAAGCAGGGCATGTCCCTGGACATTGT  
GTTGAAGAAAGTCAAGCACCGGCTGGTAGAAAACATGAGTTCAGGCACAGCTGATGCCCTGGGCCTAAGC  
CGCGCCATCCTGTGTAACGATGGCTTGGTAAAGCGGCTGGAGGAGCTGGAACGCACTGCTGAGCTGTACA  
AAGGGATGACGGAACACACCAAGAATCTCCTACGGGCTTTTATGAGCTGTGCGAGACCCACCGGCCTT  
TGGGGACGTGTTCTGTGATTGGGGTGCGGGAGCCGACCCAGCAGCAAGTGAAGCATTGTGAAGTTT  
GCAGACGCACACCGCAGCATTGAGAAGTTCGGCATTCCGCTACTGAAAACCATCAAACCGATGCTGACGG  
ACCTGAACACGTACCTCAATAAAGCCATCCCTGATACACGCTCACCATCAAGAAGTACCTGGATGTGAA  
GTTTGAGTACCTGTCGTACTGTCTAAAGGTGAAGGAGATGGATGACGAGGAATACAGCTGCATTGCCCTA  
GGCGAGCCGCTATACCGAGTGAGCACAGGCAACTATGAGTACCGCCTCATTCTGCGTGGCCGACGAGGAG  
CTCGAGCCGCTTCTCCAGATGCGCAAAGATGTTCTGGAGAAGATGGAGCTGCTGGACCAAGAAGCACGT  
CCAGGACATCGTGTCCAGCTGCAGCGCTTCGTATCCACCATGTCCAAGTACTATAATGACTGCTATGCA  
GTGCTGCGGGACGCCGACGTCTTCCCATTGAGGTGGACCTGGCACACCACTCTAGCCTATGGCCCTA  
ACCAAGGCAGCTTCACTGATGGAGAGGAGGAGATGAAGAGGAGGAGGATGGGGCAGCTAGGGAAGTGTC  
CAAGGACGCATGTGGGGCCACTGGGCTACGGACAAGGGCGGAAGCTGGTGTGACTCC

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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**Protein Sequence:** >MG206574 representing NM\_001045558  
Red=Cloning site Green=Tags(s)

MFADLDYDIEEDKLGIPVPGKVTLQKDAQNLIGISIGGGAQYCPCLYIVQVFDNTPAALDGTVAAGDEI  
 TGVNGKSIKGTKVEVAKMIQEVKGEVTIHYNKLDADPKQGMSLDIVLKKVKHRLVENMSSGTADALGLS  
 RAILCNDGLVKRLEELERTAELYKGMTEHTKNLLRAFYELSQTHRAFQDFVSVIGVREPQPAASEAFVKF  
 ADAHRSEIEKFGIRLLKTIKPLTDLNTYLNKAIPDTRLTIKKYLDVKFEYL SYCLKVKEMDDEEYSICAL  
 GEPLYRVSTGNYEYRLILRCRQEARARFSQMRKDVLEKMELLDQKHVQDI VFLQRFVSTMSKYND CYA  
 VLRDADVFPPIEVDLAHTTLAYGPNQGSFTDGEEEDDEEEDGAAREVSKDACGATGPTDKGGSWCDS

TRTRPLE - GFP Tag - V

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**ACCN:** NM\_001045558

**ORF Size:** 1248 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\\_001045558.1](#), [NP\\_001039023.1](#)

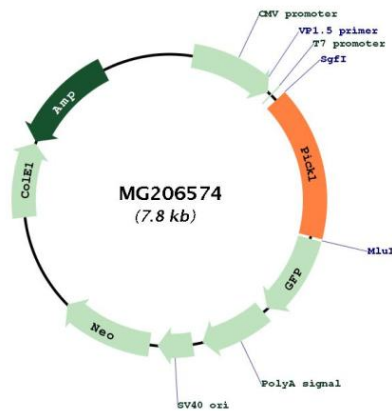
**RefSeq Size:** 1984 bp

**RefSeq ORF:** 1251 bp

**Locus ID:** 18693

**Cytogenetics:** 15 E1

**Product images:**



Circular map for MG206574