

Product datasheet for MR206574

Pick1 (NM_001045558) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
 Product Name: Pick1 (NM_001045558) Mouse Tagged ORF Clone
 Tag: Myc-DDK
 Symbol: Pick1
 Synonyms: Prkcabp
 Mammalian Cell Selection: Neomycin
 Vector: pCMV6-Entry (PS100001)
 E. coli Selection: Kanamycin (25 ug/mL)
 ORF Nucleotide Sequence: >MR206574 representing NM_001045558
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGTTTGCAGACTTAGACTATGACATCGAAGAGGATAAATTAGGAATCCCCACTGTGCCTGGGAAGGTCA
 CCCTACAGAAGGATGCCAGAACCTGATTGGGATCAGCATCGGAGGAGGGGCCCAATACTGTCCTTGTCT
 CTATATCGTCCAGGTATTTGATAACACGCCTGCAGCCTTGGATGGCACTGTGGCAGCTGGTGACGAGATC
 ACTGGGGTCAATGGCAAGTCAATCAAAGGAAAAACCAAGGTAGAGGTGGCGAAGATGATTCAGGAAGTGA
 AGGGGGAGGTGACCATCCATTACAACAAGCTGCAGGCGGACCCTAAGCAGGGCATGTCCCTGGACATTGT
 GTTGAAGAAAGTCAAGCACCGGCTGGTAGAAAACATGAGTTCAGGCACAGCTGATGCCCTGGGCCTAAGC
 CGCGCCATCCTGTGTAACGATGGCTTGGTAAAGCGGCTGGAGGAGCTGGAACGCACTGCTGAGCTGTACA
 AAGGGATGACGGAACACACCAAGAATCTCCTACGGGCTTTTATGAGCTGTGCGAGACCCACCGGCCTT
 TGGGGACGTGTTCTGTGATTGGGGTGCGGGAGCCGACCCAGCAGCAAGTGAAGCATTGTGAAGTTT
 GCAGACGCACACCGCAGCATTGAGAAAGTTCGGCATTCCGCTACTGAAAACCATCAAACCGATGCTGACGG
 ACCTGAACACGTACCTCAATAAAGCCATCCCTGATACACGCTCACCATCAAGAAGTACCTGGATGTGAA
 GTTTGAGTACCTGTCGTACTGTCTAAAGGTGAAGGAGATGGATGACGAGGAATACAGCTGCATTGCCCTA
 GGCGAGCCGCTATACCGAGTGAGCACAGGCAACTATGAGTACCGCCTCATTCTGCGTGCCGACAGGAGG
 CTGAGCCGCTTCTCCCAGATGCGCAAAGATGTTCTGGAGAAGATGGAGCTGCTGGACCAAGAAGCACGT
 CCAGGACATCGTGTCCAGCTGCAGCGCTTCGTATCCACCATGTCCAAGTACTATAATGACTGCTATGCA
 GTGCTGCAGGACGCCGACGTCTTCCCATTGAGGTGGACCTGGCACACCACTCTAGCCTATGGCCCTA
 ACCAAGGCAGCTTCACTGATGGAGAGGAGGAGATGAAGAGGAGGAGGATGGGGCAGCTAGGGAAGTGTC
 CAAGGACGCATGTGGGGCCACTGGGCTACGGACAAGGGCGGAAGCTGGTGTGACTCC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA



Protein Sequence: >MR206574 representing NM_001045558
Red=Cloning site Green=Tags(s)

MFADLDYDIEEDKLGIPVPGKVTLQKDAQNLIGISIGGGAQYCPCLYIVQVFDNTPAALDGTVAAGDEI
 TGVNGKSIKGTKVEVAKMIQEVKGEVTIHYNKLQADPKQMSLDIVLKKVKHRLVENMSSGTADALGLS
 RAILCNDGLVKRLEELERTAELYKGMTEHTKNLLRAFVELSQTHRAFGDVFSVIGVREPQPAASEAFVKF
 ADAHRSIEKFGIRLLKTIKPLTDLNTYLNKAIPDTRLTIKKYLDVKFEYLSYCLKVKEMDDEEYSICAL
 GEPLYRVSTGNYEYRLILRCRQEARARFSQMRKDVLEKMELLDQKHVQDI VFQLQRFVSTMSKYNYDCYA
 VLQDADVFPPIEVDLAHTTLAYGPNQGSFTDGEEDDEEEDGAAREVSKDACGATGPTDKGGSWCDS

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mm9036_c07.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



* The last codon before the Stop codon of the ORF

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.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: [NM_001045558.1](#), [NP_001039023.1](#)

RefSeq Size: 1984 bp

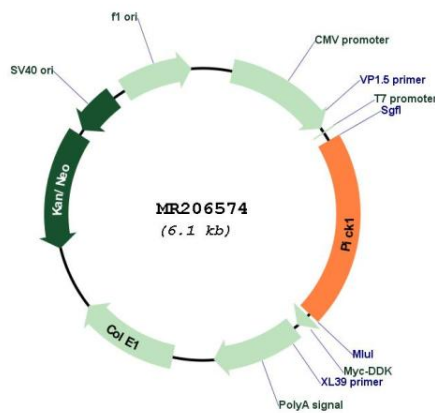
RefSeq ORF: 1251 bp

Locus ID: 18693

Cytogenetics: 15 E1

MW: 47 kDa

Product images:



Circular map for MR206574