

Product datasheet for MR229793

Pick1 (NM_008837) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Pick1 (NM_008837) 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:	>MR229793 representing NM_008837 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGTTTGCAGACTTAGACTATGACATCGAAGAGGATAAATTAGGAATCCCCTACTGTGCCTGGGAAGGTCA
CCCTACAGAAGGATGCCAGAACCTGATTGGGATCAGCATCGGAGGAGGGGCCCAATACTGTCCTTGTCT
CTATATCGTCCAGGTATTTGATAACACGCCTGCAGCCTTGGATGGCACTGTGGCAGCTGGTGACGAGATC
ACTGGGGTCAATGGCAAGTCAATCAAAGGAAAAACCAAGGTAGAGGTGGGAAGATGATTCAGGAAGTGA
AGGGGAGGTGACCATCCATTACAACAAGCTGCAGGCGGACCCTAAGCAGGGCATGTCCCTGGACATTGT
GTTGAAGAAAGTCAAGCACCGGCTGGTAGAAAACATGAGTTCAGGCACAGCTGATGCCCTGGGCCTAAGC
CGCGCCATCCTGTGTAACGATGGCTTGGTAAAGCGGCTGGAGGAGCTGGAACGCACTGCTGAGCTGTACA
AAGGGATGACGGAACACACCAAGAATCTCCTACGGGCTTTTATGAGCTGTGCGAGACCCACCGGCCTT
TGGGGACGTGTTCTGTGATTGGGGTGCAGGAGCCGACCCAGCAGCAAGTGAAGCATTGTGAAGTTT
GCAGACGCACACCGCAGCATTGAGAAAGTTCGGCATTCCGCTACTGAAAACCATCAAACCGATGCTGACGG
ACCTGAACACGTACCTCAATAAAGCCATCCCTGATACACGCCTCACCATCAAGAAGTACCTGGATGTGAA
GTTTGAGTACCTGTCGACTGTCTAAAGGTGAAGGAGATGGATGACGAGGAATACAGCTGCATTGCCCTA
GGCGAGCCGCTATACCGAGTGAGCACAGGCAACTATGAGTACCGCCTCATTCTGCGTGCCGACAGGAG
CTCGAGCCGCTTCTCCAGATGCGCAAAGATGTTCTGGAGAAGATGGAGCTGCTGGACCAAGACAGT
CCAGGACATCGTGTCCAGCTGCAGCGCTTCGTATCCACCATGTCCAAGTACTATAATGACTGCTATGCA
GTGCTGCAGGACGCCGACGTCTTCCCATTGAGGTGGACCTGGCACACCACTCTAGCCTATGGCCCTA
ACCAAGGCAGCTTCACTGATGGAGAGGAGGAGATGAAGAGGAGGAGGATGGGGCAGCTAGGGAAGTGTC
CAAGGACGCATGTGGGGCCACTGGGCTACGGACAAGGGCGGAAGCTGGTGTGACTCC

ACGGTACGGGCGGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



Protein Sequence: >MR229793 representing NM_008837
 Red=Cloning site Green=Tags(s)

MFADLDYDIEEDKLGIP TVPGK VTLQKDAQNLIGISIGGGAQYCPCLYIVQVFDNTPAALDGTVAAGDEI
 TGVNGKSIKGTKVEVAKMIQE VKGEVTIHYNKLQADPKQGM SLDIVLKKVKHRLVENMSSGTADALGLS
 RAILCNDGLV KRLEELERTAEL YKGMTEHTKNLLRAF YELSQTHRAF GDVFSVIGVREPQPAASEAFVKF
 ADAHR SIEKFGIRLLKTIK PMLTDLNTYLNKAI PDTRLTIKKYLDVKFEYL SYCLKVKEMDDEEYSCIAL
 GEPLYRVSTGN YEYRLILRCRQE ARARFSQMRKDVLEKME LLDQKHVQDI VFLQRFVSTMSKY YNDCYA
 VLQDADVFP I EVDLAHTT LAYGPNQGSFTDGE EEEEEEDGAAREVSKDACGATGPTDKGGSWCDS

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: NM_008837

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_008837.3](#), [NP_032863.2](#)

RefSeq Size: 2043 bp

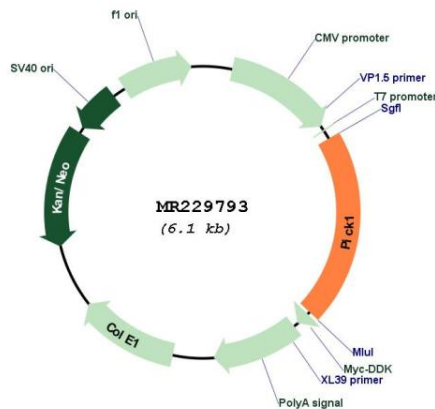
RefSeq ORF: 1251 bp

Locus ID: 18693

Cytogenetics: 15 E1

MW: 46.5 kDa

Product images:



Circular map for MR229793