

Product datasheet for **MG209978**

Pdzk4 (BC056462) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Pdzk4 (BC056462) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Pdzk4
Synonyms:	Kiaa1444-hp, Xlu, LU1, PDZD4, PDZRN4L, B230341P03, Pdznrk4l
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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**ORF Nucleotide
Sequence:**

>MG209978 representing BC056462
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGC**

ATGGGCATCTTGGAGCCGTACGTCTCTCTGAGCTCCCCCATCAGCCATGAGTATTATGACCCAGCGG
 AGTTCATGGAGGGCGGCCCGCAGGAGGCAGAGCGAATGGACGAGCTGGAGTACGAGGAGGTGGAGCTGTG
 TAAAAACAGCCACCAAGACAAGCTGGGCCTGATGGTGTGCTATCGCACAGATGAGGAGGAGGACCTAGGC
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 TCATCCAGATTAATGGAATGGATGTCCAAATCGAGAGGAGGCAGTGGCCATCCTGAGCCAGGAGGAGAA
 CACTAACATCTCCCTGCTGGTGGCCGACCTGAGAGCCAGCTAGCAAAGCGGTGGAAGACAGTGACAGA
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 CCTGGACAGCGGGTGGTGGGCTGATGAGAGTACCCGAATGAAGAGAGCTCTGAACATGACCTGCTG
 GGGGATGAACCTCCCAGCACCACCAACTCCTGGAAGCCTACGCAAATTTGGTCTACAAGGGGATGCC
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 TACCACAGCTGTGTGAGTTGGCCCCGCCACGCACCTGGAGGATCTGGGCCATGGCTCCTTGAGCTTGG
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 GCTACTGGAGCAAGGAAGAGAGGAAGCAACACCTGATCCGAGCACGGGAGCAACGGAAGCGCGTGAGTT
 CATGATGCAGAGCCGTCTGGAGTGTCTAAGGGAGCAGCAGAATGGTGACAGCAAACCTGAGCTCAACATC
 ATTGCGCTGAGCCACCGTAAAACCATGAAGAAGCGAAACAAGAAGATTCTGGACAACCTGGATCACCATCC
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 CACTGTC

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

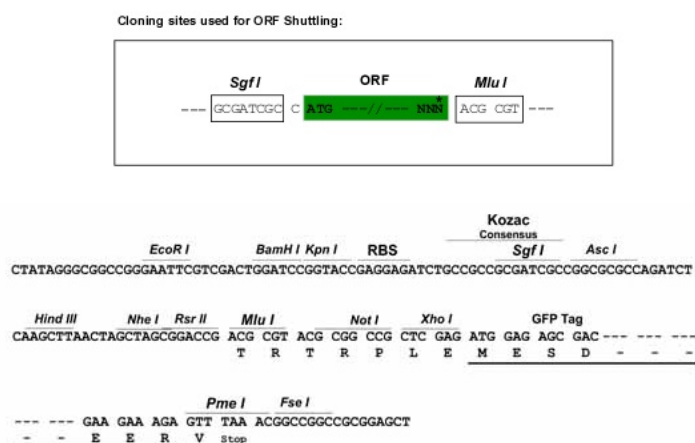
Protein Sequence: >MG209978 representing BC056462
Red=Cloning site Green=Tags(s)

MGILEPYVLSELPPISHEYDPAEFMEGGPQEAERMDLEYEEVELCKNSHQDKLGLMVCYRTDEEEDLG
IYVGEVNPNSIAAKDGRIREGDRIIQINGMDVQNREEAVAILSQEENTNISLLVARPESQLAKRWKSDR
DDFLDDFGSENEGDLRAKLKSPPVQIQINDEKAPDGGPGLNNSQDLDSGVGRTESTRNEESSEHDL
GDEPPSTNTPGSLRKFLQGDALQSRDFHFSMSDLLAEGAGLGGADLPGLTDEEYERYRELLEIKCHLE
NGNQLGIFFSRASSGNSALDVNRNESLGHEMAMLEEELRHLEFKCRNILRAQKMQLRERCMKAWLEEE
SLYDLAASEPKKHELSDISELPEKSDKDSTSAYNTGESCRSTPLLVEPLPESPLKRSAGNSNLNRTPSG
PPVTTHLKGAPSPGSPAKFRSLSRDPEVGRRQHTTEVRRTKTSVTLERVGPESPYLSRRHRGQIEQ
YHSCVQLAPPRTLEDLGHGSLSLASGPRVGGVAAAAVEAPRMEWKVVRSDGTRYVAKRPVRDLLKARA
LKIREERSGMTDDDAVSEMKGMYWSKEERKQHLIRAREQRKRREFMMQSRLRECLREQQNGDSKPELNI
IALSHRKTMMKRNKKILDNWITIOEMLAHGARSADGKRIYNPLL SVTTV

TRTRPLE - GFP Tag - V

Restriction Sites: Sgfl-MluI

Cloning Scheme:



ACCN: BC056462

ORF Size: 2037 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: [BC056462](#), [AAH56462](#)

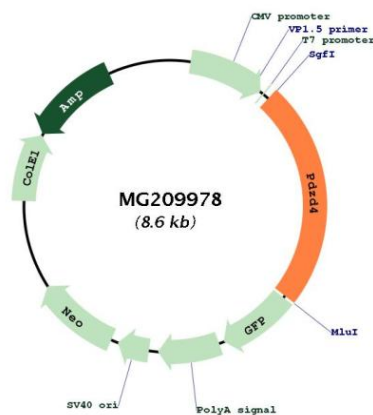
RefSeq Size: 3337 bp

RefSeq ORF: 2039 bp

Locus ID: 245469

Cytogenetics: X A7.3

Product images:



Circular map for MG209978