

Product datasheet for **MG218708**

Pklr (NM_013631) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Pklr (NM_013631) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Pklr
Synonyms:	Pk-1; Pk1; R-PK
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>MG218708 representing NM_013631
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGCTGTCCAAGAGAACGAGCTACCCAGCAGCTCTGGCCCTGGATCTTTAAGTCCAAAAAGACTTAG
 CAAAGTCTGCTTTAAGTGGGGCTCCAGGAGGGCCAGCAGGATACCTGAGACGTGCCAGTGTGCCAGCT
 GACCCAGGAGCTGGGCACTGCCTTCTTCCAGCAGCAGCAACTGCCCGCAGCTATGGCGGACACCTTCTCTG
 GAACACCTCTGCCTTCTGGATATCGACTCAGAGCCTGTGGCCGCTAGGAGCACCAGCATATTGCCACCA
 TCGGGCCGGCGTCACGCTCTGTGGACCGCCTCAAGGAGATGATCAAGGCAGGGATGAACATTGCACGACT
 CAACTTCTCCCATGGCTCCCATGAGTACCATGCAGAGTCCATCGCCAACATTCGGGAGGCGGCTGAAAGC
 TTTGCAACCTCCCCTCAGCTACAGACCCGTGGCCATCGCCCTGGACACCAAGGGTCCCGAGATACGCA
 CTGGAGTCTGCAGGGGGTCCAGAGTCGGAGGTGAAATTTGTAAGGGTTCACAGGTGCTGGTACTGT
 GGATCCGAAGTTCGGACAAGGGGCGATGCAAAGACAGTGTGGGTGGACTACCACAATATCACCCAGGTC
 GTTGACAGTGGGGGCGCATCTACATTGACGACGGGCTCATCTCCTTAGTGGTGGGAAAATTTGGCCAG
 AGGGACTGGTGACCGAAGTGAACACGGTGGTTTCTTGGGCAACAGGAAGGGTGTGAACCTTGCCAAATGC
 CGAGGTGGACCTGCCTGGGCTATCAGAGCAAGATCTTTTGGATCTGCGCTTCGGGGTGGAGCATAATGTG
 GACATCATCTTTGCCTCCTTTGTACGAAAAGCCAGTGTGTGGTGGCAGTCCGAGATGCCCTAGGGCCAG
 AAGGACGGGGCATCAAAATATCAGCAAAATCGAGAACCATGAAGGCGTGAAGAAGTTTGTGAGATCCT
 AGAAGTGAGCGATGGCATCATGGTGGCTCGGGTGACCTTGGCATTGAGATCCCAGCAGAGAAGGTTTTTC
 TTGGCTCAGAAGATGATGATTGGACGCTGCAACCTGGCTGGCAAGCCTGTCGTTTGTGCCACACAGATGC
 TGGAGCATGATCACTAAGGCTCGACCAACTCGGGCGGAGACAAGCGATGTGCCAATGCTGTGCTGGA
 TGGGGTACTGTATCATGCTGTCTGGAGAGACCGCCAAAGGCAGTTTCCCGTGGAGGCTGTAAGATG
 CAACATGCGATTGCCCGGAGGCAAGGCGCTGTGTACCACCGCCAGTTGTTTGAAGAGCTACGCCGGG
 CAGCGCCGCTGAGCCGTGACCAACCGAGGTCACTGCAATTGGAGCCGTGGAGGCTTCTTCAAGTGCTG
 TGCCGCAGCCATCATTGTGCTGACAAAGACTGGCCGCTCAGCTCAGCTTCTGTCTCGCTACCGACCTCGG
 GCTGCTGCTATTGCTGTGACTCGTTCTGCCAGGCTGCCGACAGGTCCACCTGTCCCGAGGAGTCTTCC
 CCTTGCTCTACCGTGAGCCTCCAGAGGCTGTCTGGGCAGATGATGTGGACCGAAGGGTCCAATTTGGCAT
 CGAAAGTGAAAGCTTCGTGGCTTCTCCGAGTTGGTGTCTGGTATTGTGGTACAGGCTGGCGACCT
 GGCTCTGGCTATACCAACATTATGCGGGTGTGACCATATCC

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence:

>MG218708 representing NM_013631
 Red=Cloning site Green=Tags(s)

MSVQENELPQQLWPWIFKSQKDLAKSALSGAPGGPAGYLRRASVAQLTQELGTAFFQQQLPAAMADTFL
 EHLCLLDIDSEPVAARSTSIATIGPASRSVDRLKEMIKAGMNIARLNF SHGSHEYHAESIANIREAAES
 FATSPLSYRPVAIALDTKGPEIRTGVLQGGPESEVEIVKGSQVLVTDPKFRTRGDAKTWVDYHNITQV
 VAVGGRIYIDDGLISLVVRKIGPEGLVTEVEHGGFLGNRKGVNLPNAEVDLPGLSEQDLLDLRFVGEHNV
 DIIIFASFVRKASDVAVRDALGPEGRGIKII SKIENHEGVKKFDEILEVSDGIMVARGDLGIEIPA EKVF
 LAQKMMIGRCNLAGKPVVCATQMLESMITKARPTRAETSDVANAVLDGADCIMLSGETAKGSFPVEAVKM
 QHAIAREAEAAYVHRQLFEELRRAAPLSRDPTEVTAIGAVEASFKCCAAAIIVLTKTGRSAQLLSRYRPR
 AAVIAVTRSAQAARQVHLSRQVFP LLYREPPEAVWADDVDRRVQFGIESGKLRGFLRVGDLVIVVTGWRP
 GSGYTNI MRVLTIS

TRTRPLE – GFP Tag – V

Restriction Sites:

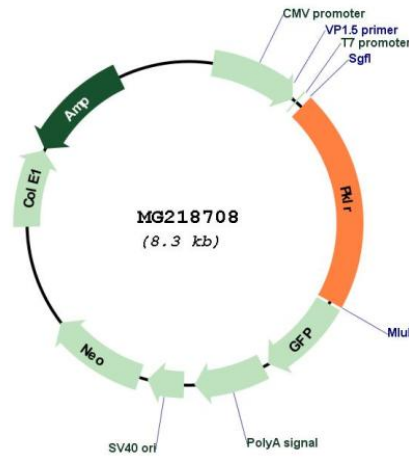
Sgfl-MluI

Cloning Scheme:

Cloning sites used for ORF Shutting:



Plasmid Map:



ACCN: NM_013631
 ORF Size: 1722 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">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_013631.2 , NP_038659.2
RefSeq Size:	2787 bp
RefSeq ORF:	1725 bp
Locus ID:	18770
Cytogenetics:	3 39.01 cM