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Product datasheet for MG225408

Pkdrej (NM_011105) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Pkdrej (NM_011105) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Pkdrej
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG225408 representing NM_011105 Red=Cloning site Blue=ORF Green=Tags(s) TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC GCCGCGATCGCC ATGTGGCCGGGCCCCGCGCTGCTGCTCCTGGGCCTGGGCCTGGGTCTAGGCAGCCAGCCGCCACCCACCG GCCCTCGCGGGCTGCCGGGCGTGCTCAGGGGCGCCCCGGGGTTGGGGCAGGGCGCGGAGAGCAGCGTCCG GGGCGGTGACACCGGGGGCCTGTCCCCGCGTGCAGCCCCGCGCCACGCCAGCCCTACGCCGCCCCGTAGG TGTCCCTCGGGCGCAGCTGCACGCGTCCTCCTGAAAGTCAACTCTTCGGACCCCGCAGCCGCCAAGGCTA ACGTGTCCTGCCAGACGGCCCCCTGTATCATGCAGCCAGTGAAGATCAACAGGAAGGACCAGAACGCTCC CCTTATCCTGAGCAGAGACGAGGAAGCCACCCTCAATATCACTGTGCGTTGGTACTGTCCTGATGCCTTG GTCATTCGCAAGAGCTGGGTGTACTTTTCGGTGGCCTCTGTGAACGACACCCCTGATTGGAACCGACCTG TGCTCTTGCCGCAGGTGGCAGTGTCTAAGGGTTTCTCCCTCCACATCCCCAAATATGCCCTGCCTTACGG GGTGTATGTGTTTAACTTTACGCTGTCCATCTTCAGGTGGGACCTCGCCTGGCCCACGGTGACAGGCTCG GATATCATCTACATTTGGGTTAGAAAACGCCCCCTGAAGGCTGTTCTTCTTGGAGCCCCCAGAGTAACCG TGAAGTTCTCCGATGAACTGATTCTGAATGGAAGCATGTCCTACGACCCAGAGGCAGACATCCCCACATG GGGACTCCAGTTTTTTTGGTATTGTACCACAAATCCAAGATACTATAGTGGCAACTATGTATTAGTGATC AACCAGGCTGTCTGCCACCCAGAGCAGGATTCACTGAACTGGCCTTGGGCAGTGGGCTCTGTACTAACCA TTCCACCAAAAACTCTTAGGGGCAATGGTGTGTATTACTTCAGAATGGTGGTACAGAAGCAAAACAGAAC TGCATTTTCTGATAAAACTGTACACGTGCTCCAGGGGCTTCAGCCCAAGGCACACATTTCCTGCATTGAA AATTGTGGCCCCACGTTAGGTGTGTCAGATAGATTTTCTCTGTTTCTGAACTGCCCAAGTTGTGGCCGCC AGGATTTGTATAGCTGGTCCATTTTGTCTCTAACGGGCCATGAAGTGATGTTTGACTGGGCAGGGCAAGC AATCACCAGGAGGAATGGACCTTATTTGTCCATAAAAGCTTTTGCCTTTAGGAATTTTTTGGAAAATAGG GTTTGGGTTTCCCTGATTCTGAAATCTTGGAGTGGTATGACCACGACCTTGAGACATCCCGTTGTCATTA ACCATGGCCCTCGAGTTGGCAAATGCAAGATAAATCCAGCTAGTGGGATTTCCATGGTTACTAAATTTGC TGTTGAATGTAGTGATTTTAAGGATGAGAACCTTCCCCTTAAGTATAAAATAATAGTATCTGAGTTGGAC AGCATTGGCGCGATCAGTTCCGTAGAAGAGAATACACTGGGTTCCGTGGTGTATTCAGGGGCAGAGCCGA TAACACCAGCCTTCTTTCTCCCTGTCGGTACGGTGACAGATGAGTACAATGTGAGGCTTTATGTTCAGGT

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AGCGGACCGACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>MG225408 representing NM_011105
Red=Cloning site Green=Tags(s)

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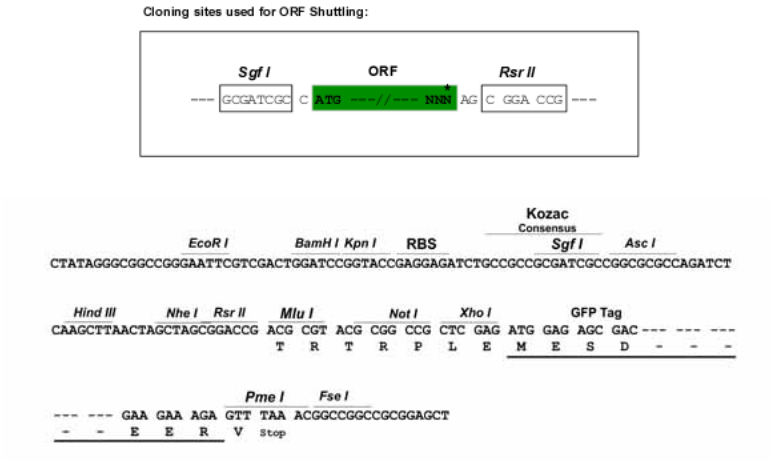
SGPTRTRRLE – GFP Tag – V

Restriction Sites: SgfI-RsrII

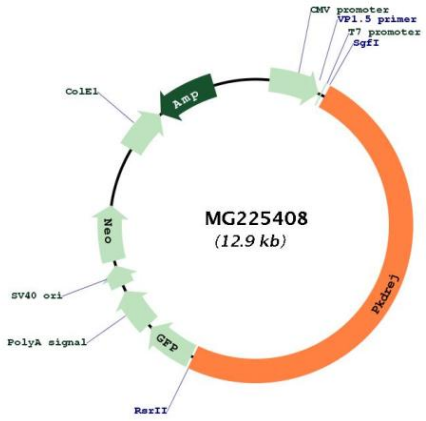
Cloning Scheme:



ACCN:	NM_011105
ORF Size:	6378 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_011105.2, NP_035235.2
RefSeq Size:	7058 bp
RefSeq ORF:	6381 bp
Locus ID:	18766

Cytogenetics: 15 E2

Product images:



Circular map for MG225408