

Product datasheet for **RG215654**

PKDREJ (NM_006071) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	PKDREJ (NM_006071) Human 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:	>RG215654 representing NM_006071 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGAGGCCTGGGCCGCTCTCCTCTTCTGGGCGTGGGCCTGAGCCTGAGCGTCGGCCGCTCCCGCTGC
CGCCGGTTCCTCGCGGGGCAAGCCGCGCTCTCCGGGGCGCCGGTGGCCTCCTCAGGGGCGCCCGGG
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ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

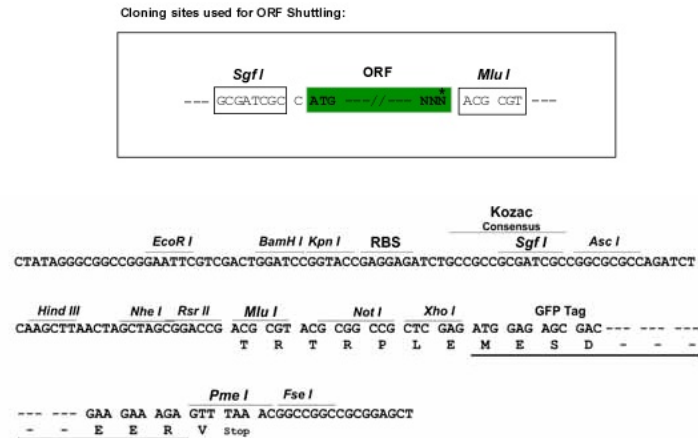
Protein Sequence: >RG215654 representing NM_006071
 Red=Cloning site Green=Tags(s)

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 QINACVIQVRINTDQKQAPVRLSMQAEATINASVQLDCPAARAIAQYWQVFSVPVAVGQAPDWTQPLDLP
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 IHCHPKYGIDPEDTKNYSGFWNEVDKQAIDESTNGFTYKPGTQWLYYSYGLLHTYSGGGYALYFFPEQQ
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 ILSAYEEMKQPVYEEPSDEVEAMTYLCRKLRTMFSFLTQSKAKDEPEFFIDMLYGQPEKNSHRYLGLKT
 RNINGKKMYYLVV

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_006071

ORF Size: 6759 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_006071.2](#)

RefSeq Size: 7660 bp

RefSeq ORF: 6762 bp

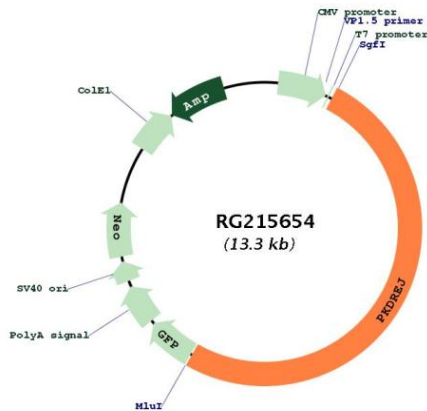
Locus ID: 10343

UniProt ID: [Q9NTG1](#)

Cytogenetics: 22q13.31

Protein Families:	Druggable Genome, Transmembrane
Gene Summary:	This intronless gene encodes a member of the polycystin protein family. The encoded protein contains 11 transmembrane domains, a receptor for egg jelly (REJ) domain, a G-protein-coupled receptor proteolytic site (GPS) domain, and a polycystin-1, lipoxigenase, alpha-toxin (PLAT) domain. This protein may play a role in human reproduction. Alternative splice variants have been described but their biological natures have not been determined. [provided by RefSeq, Jul 2008]

Product images:



Circular map for RG215654