

Product datasheet for **RG212956**

DGKK (NM_001013742) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	DGKK (NM_001013742) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	DGKK
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG212956 representing NM_001013742 Red=Cloning site Blue=ORF Green=Tags(s)

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ACGCGTACGCGGCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence: >RG212956 representing NM_001013742
 Red=Cloning site Green=Tags(s)

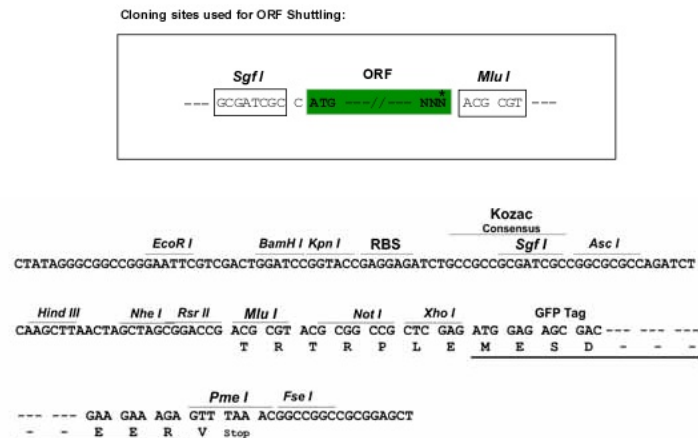
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TRTRPLE - GFP Tag - V

Restriction Sites:

SgfI-MluI

Cloning Scheme:

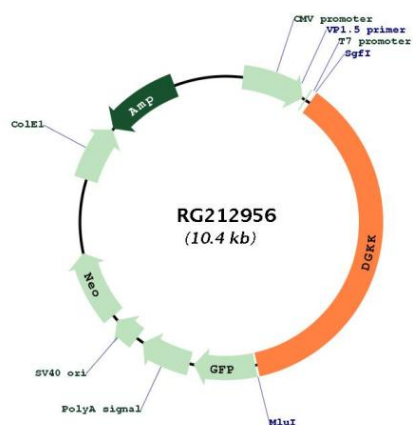


ACCN: NM_001013742

ORF Size: 3813 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_001013742.4
RefSeq Size:	3920 bp
RefSeq ORF:	3816 bp
Locus ID:	139189
UniProt ID:	Q5KSL6
Cytogenetics:	Xp11.22
Protein Families:	Druggable Genome
Gene Summary:	The protein encoded by this gene is an enzyme that phosphorylates diacylglycerol, converting it to phosphatidic acid. The encoded protein is a membrane protein and is inhibited by hydrogen peroxide. Variations in this gene have been associated with hypospadias. [provided by RefSeq, Mar 2011]

Product images:



Circular map for RG212956