

## Product datasheet for **RG231910**

### DIPK1A (NM\_001252273) Human Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** DIPK1A (NM\_001252273) Human Tagged ORF Clone  
**Tag:** TurboGFP  
**Symbol:** DIPK1A  
**Synonyms:** FAM69A  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-AC-GFP (PS100010)  
**E. coli Selection:** Ampicillin (100 ug/mL)  
**ORF Nucleotide Sequence:** >RG231910 representing NM\_001252273  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGATCGCC**

ATGGCGAGGAGTCTCTGTCCGGGGCCTGGCTAAGGAAACCCTATTACCTCCAGGCTCGCTTCTCATATG  
 TGCGGATGAAATATCTTTCTTTCTGGTTAGTGTTTTTTGTTGGAAGCTGGATTATATATGTGCAGTA  
 TTCTACCTATACAGAATTATGCAGAGGAAAGGACTGTAAGAAAAAATATGTGACAAGTACAAGACTGGA  
 GTTATTGATGGGCTGCATGTAACAGCCTTTGTGTTACAGAACTCTTACTTTGAAAAATGTTTATCCA  
 CCAAGCCCAACAATCAGATGATTTAGGGATTTGGGATAATCTACCAGGTGTTGTGAAATGTCAAATGGA  
 ACAAGCGCTTCATCTTGATTTTGGAACTGAATTGGAACCAAGAAAAGAAATAGTGCTATTTGATAAGCCA  
 ACTAGAGGAACTACTGTACAAAAATTTAAAGAAATGGTCTATAGTCTCTTAAGGACCAGCACCGG

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA

**Protein Sequence:** >RG231910 representing NM\_001252273  
 Red=Cloning site Green=Tags(s)

MARSLCPGAWLRKPYLQARFSYVRMKYLFFSWLVVFGVSWIIVYQYSTYTELCRGKDCKKIICDKYKTG  
 VIDGPACNSLCVTETLYFGKCLSTKPNQMYLGIWNLPGVVKCQMEQALHLDGTELEPRKEIVLFDKP  
 TRGTTVQKFKEMVYSLFKDQHR

**TRTRPLE** - GFP Tag - V

**Restriction Sites:** Sgfl-MluI

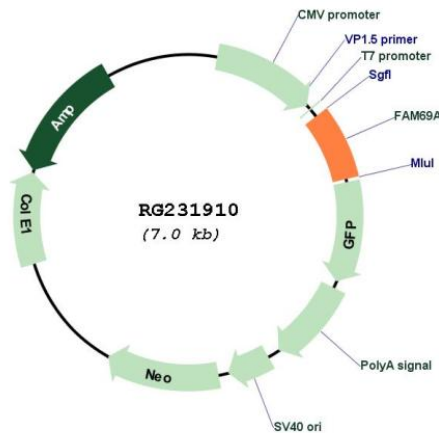


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Cloning Scheme:



Plasmid Map:



ACCN: NM\_001252273

ORF Size: 486 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.

<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<u>NM_001252273.1, NP_001239202.1</u>
<b>RefSeq Size:</b>	873 bp
<b>RefSeq ORF:</b>	489 bp
<b>Locus ID:</b>	388650
<b>UniProt ID:</b>	<u>Q5T7M9</u>
<b>Cytogenetics:</b>	1p22.1
<b>Protein Families:</b>	Transmembrane
<b>Gene Summary:</b>	This gene encodes a member of the FAM69 family of cysteine-rich type II transmembrane proteins. These proteins localize to the endoplasmic reticulum but their specific functions are unknown. Alternatively spliced transcript variants encoding multiple isoforms have been observed for this gene. [provided by RefSeq, Nov 2011]