

Product datasheet for **RG238000**

DIPK1A (NM_001252271) Human Tagged ORF Clone

Product data:

| | |
|---------------------------|--|
| Product Type: | Expression Plasmids |
| Product Name: | DIPK1A (NM_001252271) 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: | >RG238000 representing NM_001252271. Blue=ORF Red=Cloning site Green=Tag(s) |

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GCTCGTTTGTAGTAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCCGCATCGCC
ATGAAATATCTTTTCTTTTCTGTTAGTGTTTTTGTGGAAAGCTGGATTATATATGTGCAGTATTCT
ACCTATACAGAATTATGCAGAGGAAAGGACTGTAAGAAAATAATATGTGACAAGTACAAGACTGGAGTT
ATTGATGGGCCTGCATGTAAACAGCCTTTGTGTTACAGAACTCTTACTTTGGAAAATGTTTATCCACC
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CAAGCGCTTCATCTTGATTTTGGAACTGAATTGGAACCAAGAAAAGAAAATAGTGTATTTGATAAGCCA
ACTAGAGGAACTACTGTACAAAAATTTAAAGAAATGGTCTATAGTCTCTTAAAGGCAAAATGGGTGAC
CAAGGAAACCTCTCTGAACTGGTTAATCTCATCTTGACGGTGGCTGATGGAGACAAAGATGGCCAGGTT
TCCTTGGGAGAAGCAAAGTCGGCATGGGCACTTCTTCAACTGAATGAATTTCTTCTCATGGTGATACTT
CAAGATAAAGAACATACCCCAAATTAATGGGATTCTGTGGTGACCTCTATGTGATGGAAAGTGTGAA
TATACCTCTCTTATGGAATAAGCCTTCTTGGGTCAATGAACCTTTTATTCCATCTGGGTTCAGAAGA
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TATAATGATAAGTATGATTTGAAAATGGTGGATATGAGAAAAATGTGCCAGAGACAAACCTGAAAGAA
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ATTGCTCTCAAAGTCACAGCAAATCAAATGAAAATGGAACATTCTTTGATACTAAATAACCTAAAAACA
TTATTGTGGAAGAAAATTTCTACACTAATGACTCT
ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAAAC
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Protein Sequence: >Peptide sequence encoded by RG238000
 Blue=ORF Red=Cloning site Green=Tag(s)

MKYLFFSWLVFVGSWIIYVQYSTYTELCRGKDCKKIICDKYKTGVIDGPACNSLCVTETLYFGKCLST
 KPNNQMYLGIWDLPGVVKQMEQALHLDFGTELEPRKEIVLFDKPTRGTTVQFKEMVYSLFKAKLGD
 QGNLSELVNLILTVADGDKDQVSLGEAKSAWALLQLNEFLLMVILQDKEHTPKLMGFCGDLVYMESVE
 YTSLYGISLPWVIELFIPSGFRRSMDQLFTPSWPRKAKIAIGLLEFVEDVFHGPYGNFLMCDTSAKNLG
 YNDKYDLKMVDMRKIVPETNLKELIKDRHCESDLDCVYGTDCRTSCDQSTMKCTSEVIQPNLAKACQLL
 KDYLLRGAPSEIREELEKQLYSCIALKVTANQMEMEHSILNLLKTLWKKISYTNDS
 TRTRPLEMESDESGLPAMEIECRITGTLNGVEFELVGGEGTPEQGRMTNKMSTKGALTFSPYLLSHV
 MGYGFYHFGTYPYSGYENPFLHAINNGGYNTRIEKYEDGGVLHVSFSYRYEAGRVIGDFKVMGTGFPED
 SVIFTDKIIRSNATVEHLHPMGDNDLDGSFTRTFSLRDGGYSSVVD SHMHFKSAIHPSILQNGGPMFA
 FRRVEEDHSNTELGIVEYQHAFKTPDADAGEERV

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001252271

ORF Size: 1209 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).

RefSeq: [NM_001252271.1](#), [NP_001239200.1](#)

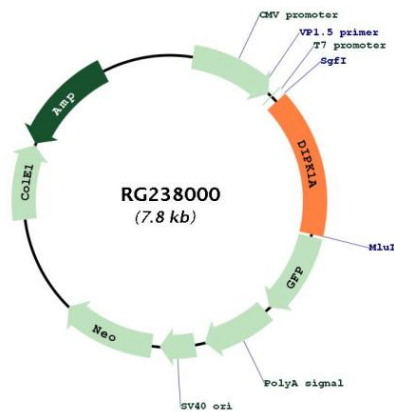
RefSeq Size: 2646 bp

RefSeq ORF: 1212 bp
 Locus ID: 388650
 Cytogenetics: 1p22.1

Protein Families: Transmembrane
 MW: 46.5 kDa

Gene Summary: 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]

Product images:



Circular map for RG238000