

Product datasheet for RC237777

DIPK1A (NM_001252270) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: DIPK1A (NM_001252270) Human Tagged ORF Clone
Tag: Myc-DDK
Symbol: DIPK1A
Synonyms: FAM69A
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >RC237777 representing NM_001252270
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGGCGAGGAGTCTCTGTCCGGGGCCCTGGCTAAGGAAACCTATTACCTCCAGGCTCGTTCTCATATG
TGGGATGAAATATCTTTCTTTCTGGTTAGTGGTTTTGTTGGAAGCTGGATTATATATGTGCAGTA
TTCTACCTATACAGAATTATGCAGAGGAAAGGACTGTAAGAAAAAATATGTGACAAGTACAAGACTGGA
GTATTGATGGGCTGCATGTAACAGCCTTTGTGTTACAGAACTCTTTACTTTGGAAAAATGTTTATCCA
CCAAGCCCAACAATCAGGCAAAATGGGTGACCAAGGAAACCTCTCTGAAGTGGTAAATCTCATCTTGAC
GGTGGCTGATGGAGACAAAGATGGCCAGGTTTCTTGGGAGAAGCAAAGTCGGCATGGGCACTTCTTCAA
CTGAATGAATTTCTTCTCATGGTGATACTTCAAGATAAAGAACATACCCCAAAATTAATGGGATTCTGTG
GTGACCTCTATGTGATGGAAAGTGTGAATATACCTCTCTTTATGGAATAAGCCTTCTTGGGTCATTGA
ACTTTTTATTCCATCTGGGTTTCCAGAAGAAGCATGGATCAGCTGTTACACCATCATGGCCAAGAAAGGCC
AAAATAGCCATAGGACTTCTAGAATTTGTGGAAGATGTTTTCCATGGCCCTACGGAAATTTCTCATGT
GCGATACTAGTGCCAAAACCTAGGATATAATGATAAGTATGATTTGAAAATGGTGGATGAGAAAAAT
TGTGCCAGAGACAAACCTGAAAGAATTTAAGGATCGTCACTGTGAGTCTGATTTGGACTGTGTCTAT
GGCACAGATTGTAGAAGTACTGTGATCAGAGTACAATGAAGTGTACTTCAAGTGTATACAACCAACT
TGGCAAAAGCTTGTCAAGTACTCAAAGACTACCTACTGCGTGGTCTCCAAGTGAATTCGTGAAGAATT
AGAAAAGCAGCTTTATTCTTGTATTGCTCTCAAAGTACAGCAAAATCAAATGAAAATGGAACATTCTTTG
ATACTAAATAACCTAAAAACATTATTGTGGAAGAAAATTTCTACACTAATGACTCT

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RC237777 representing NM_001252270
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MARSLCPGAWLRKPYLQARFSYVRMKYLFFSWLVVFGSWIIYVQYSTYTELCRQKDKKIIICDKYKTG
 VIDGPACNSLCVTETLYFGKCLSTKPNQAKLGDQGNLSELVNLILTVADGDKDQVSLGEAKSAWALLQ
 LNEFLLMVILQDKEHTPKLMGFCGLDYMESVEYTSLYGISLPWVIELFIPSGFRRSMDQLFPTPSWPRKA
 KIAIGLLEFVEDVFHGPHYGNFLMCDTSAKNLYGNDKYDLKMVDMRKIVPETNLKELIKDRHCESDLDCVY
 GTDCRTSCDQSTMKCTSEVIQPNLAKACQLLKDYLRLGAPSEIREELEKQLYSICALKVTANQMEMEHS
 ILNNLKTLWLKKISYTND

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

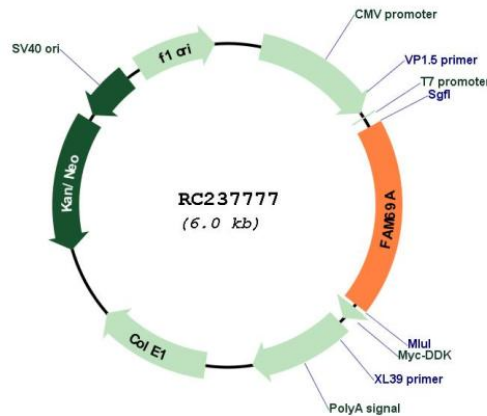
Restriction Sites:

SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001252270

ORF Size:	1107 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:	<ol style="list-style-type: none">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_001252270.1 , NP_001239199.1
RefSeq Size:	2426 bp
RefSeq ORF:	1110 bp
Locus ID:	388650
Cytogenetics:	1p22.1
Protein Families:	Transmembrane
MW:	42.6 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]