

## Product datasheet for RC238000

### DIPK1A (NM\_001252271) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	DIPK1A (NM_001252271) 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:	>RC238000 representing NM_001252271 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCCGCGATCGCC

ATGAAATATCTTTCTTTCTGGTTAGTGTTTTGTTGGAAGCTGGATTATATATGTGCAGTATTCTA  
CCTATACAGAATTATGCAGAGGAAAGGACTGTAAGAAAATAATATGTGACAAGTACAAGACTGGAGTTAT  
TGATGGGCTGCATGTAACAGCCTTTGTGTTACAGAACTCTTACTTTGGAAAATGTTTATCCACCAAG  
CCCAACAATCAGATGATTTAGGGATTTGGGATAATCTACCAGGTGTTGTGAAATGTCAAATGGAACAAG  
CGCTTCATCTTGATTTTGAAGTGAATTGGAACCAAGAAAAGAAATAGTGCTATTTGATAAGCCAAGTAG  
AGGAACTACTGTACAAAATTTAAAGAAATGGTCTATAGTCTCTTTAAGGCAAAATTTGGGTGACCAAGGA  
AACCTCTCTGAACTGGTTAATCTCATCTTGACGGTGGCTGATGGAGACAAAGATGGCCAGGTTTCTTGG  
GAGAAGCAAAGTCGGCATGGCACTTCTCAACTGAATGAATTTCTTCTCATGGTGATACTTCAAGATAA  
AGAACATACCCCAAATTAATGGGATCTGTGGTGACCTCTATGTGATGGAAAGTGTGAATATACCTCT  
CTTTATGGAATAAGCCTTCCTTGGGTCATTGAACTTTTATTCCATCTGGGTTCAGAAGAAGCATGGATC  
AGCTGTTACACCATCATGGCCAAGAAAGGCCAAAATAGCCATAGGACTTCTAGAATTTGTGGAAGATGT  
TTTCCATGGCCCTACGGAAATTTCTCATGTGCGATACTAGTGCCAAAACCTAGGATATAATGATAAG  
TATGATTTGAAAATGGTGGATATGAGAAAATTTGCCAGAGACAAACCTGAAAGAAGTATTAAGGATC  
GTCAGTGTGAGTCTGATTTGGACTGTGTCTATGGCACAGATTGTAGAAGTACTGTGATCAGAGTACAAT  
GAAGTGTACTTCAGAAGTATACAACCAAACTGGCAAAAGCTTGTGAGTACTCAAAGACTACCTACTG  
CGTGGTGTCCAAGTGAATTCGTGAAGAATTAGAAAAGCAGCTTTATTCTTGTATTGCTCTCAAAGTCA  
CAGCAAATCAAATGGAATGGAACATTTTGATACTAAATAACCTAAAAACATTATTGTGGAAGAAAAT  
TTCCTACACTAATGACTCT

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RC238000 representing NM\_001252271  
 Red=Cloning site Green=Tags(s)

MKYLFFSWLVVFGVSWIIYVQYSTYTELCRGKDCKKIICDKYKTGVIDGPACNSLCVTETLYFGKCLSTK  
 PNNQMYLGIWDNLPVGVKQMEQALHLDGTELEPRKEIVLFDKPTRGTTVQKFKEMVYSLFKAKLGDQG  
 NLSELVNLILTVADGDKDGOVSLGEAKSAWALLQLNEFLLMVILQDKEHTPKLMGFCGDLVYMESVEYTS  
 LYGISLPWVIELFIPSGFRRSMDQLFTPSWPRKAKIAIGLLEFVEDVFHGPYGNFLMCDTSAKNLGYNDK  
 YDLKMVDMRKIVPETNLKELIKDRHCESDLDCVYGTDCRTSCDQSTMCKTSEVIQPNLAKACQLLKDYLL  
 RGAPEIREELEKQLYSICALKVTANQMEMEHSILNLLKTLWKKISYTND

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

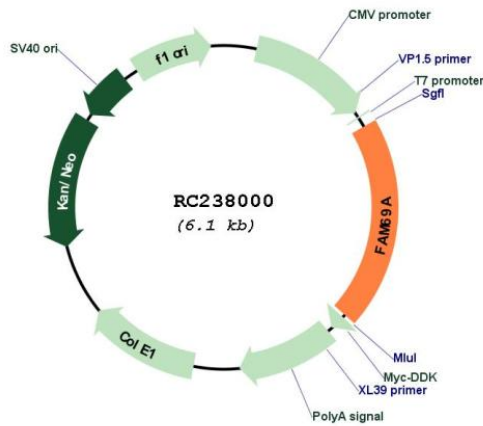
Restriction Sites:

SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM\_001252271

<b>ORF Size:</b>	1209 bp
<b>OTI Disclaimer:</b>	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. <a href="#">More info</a>
<b>OTI Annotation:</b>	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>	<a href="#">NM_001252271.1</a> , <a href="#">NP_001239200.1</a>
<b>RefSeq Size:</b>	2646 bp
<b>RefSeq ORF:</b>	1212 bp
<b>Locus ID:</b>	388650
<b>Cytogenetics:</b>	1p22.1
<b>Protein Families:</b>	Transmembrane
<b>MW:</b>	46.5 kDa
<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]