

Product datasheet for SC101127

DIPK2A (NM_173552) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	DIPK2A (NM_173552) Human Untagged Clone
Tag:	Tag Free
Symbol:	DIPK2A
Synonyms:	C3orf58; DIA1; GoPro49; HASF
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC101127 sequence for NM_173552 edited (data generated by NextGen Sequencing)

ATGTGGCGCCTGGTGCCCCGAAGCTGGGCCGCTGTCCCGCTCGCTGAAGCTGGCGGCG
CTGGGCAGCCTGTTGGTGCTGATGGTGCTGCACTCGCCGTCGCTGCTCGCCTCTTGGCAG
CGCAACGAACTGACCGACCGGCGCTTCCTGCAGCTCAATAAGTGCCCGCGTGCTTCGGC
ACGAGCTGGTGCCGCGCTTCCTCAACGGGCAGGTGGTATTGAGGCGTGGGGCCGCTTG
CGCCTGCTGGACTTCCTCAACGTGAAGAAGCTGTACTTCGCGCAGTACGGCGAGCCCCGC
GAGGGCGGCCGCGCGAGTGGTGCTCAAGCGCCTCGGCTCGCAGCGGAGCTGGCGCAG
CTCGACCAGAGCATCTGCAAGCGGGCCACCGGCCGCCCCGCTGCGACCTGCTGCAGGCC
ATGCCCCGGACCGAGTTCGCGCGCCTCAACGGCGACGTGCGTCTGCTCACGCCCGAGGCG
GTGGAGGGCTGGTCGGACCTGGTGCACTGCCCCCTCGCAGCGCCTTCTCGACCGCCTGGTG
CGCCGCTACGCGGAGACCAAGGACTCGGGCAGCTTCCTGCTTCGCAACCTCAAGGACTCG
GAGCGCATGCAGCTGCTGCTGACCTGGCCTTCAACCCCGAGCCGCTGGTGCTACAGAGT
TTTCCGCTCTGATGAAGGTTGGCCATTTGCAAAGTATCTTGAGGCTTGTTGGAAGAATGGTG
GCTGTAAATTATGTTGGAGAAGAACTGTGGAGTTACTTTAATGCGCCATGGGAAAAACGA
GTTGACCTCGCTTGCAATTAATGGAAATAGCAGAACAGCTTACAAACAATGACTTTGAA
TTTGCACTCTACCTCCTGGACGTCAGCTTTGACAATTTTGCAAGTTGGTCTAGAGATGGG
AAGGTAATCATTGTGGATGCTGAAAATGTTTTGGTTGCTGACAAAAGATTAAATTAGACAA
AATAAACCTGAAAATTGGGATGTATGGTATGAAAGCAAGTTTGATGACTGTGATAAGGAG
GCTTGCTTATCATTTTCAAAAGAAATTCTTTGTGCTCGTGCCACTGTGGACCACAATTAC
TATGCTGTTTGTGAGAACCTCTTATCCAGACATGCCACCTGGCGTGCACTTCTGGAGGA
CTCCTTCATGATCCACCAAGTGAAATTGCCAAGATGGCCGCTCGAGGCCTTGCTGGAT
GAGTGTGCCAACCCAAAGAAGCGCTATGGCAGATTCCAGGCTGCAAAAGAACTGCGTGAA
TACCTAGCACAATTAAGTAACAACGTGAGGTAG

Clone variation with respect to NM_173552.3



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5' Read Nucleotide Sequence:	>OriGene 5' read for NM_173552 unedited <pre> AATTTGTATACGACTCACTATAGGCGGCCGGAATTCGCACGAGGCCAGCGCGACAAGC AAGGGTGTGCGGCTCTGAGACGTGCGTTGCTGCTTGTGGGTGTGAGACATCCTAGTCCT CTTCCCCTTCCGTGAGTCCCTCCTTTCCTCGCAGACCCCACTTGTCTGGCTGGCTGCCG CCGCAGCTCTTGTGCGAAGCCAGCAGTGCAGTGCAGCGCGGCCGCGGCCGCGACCGTC GGGTCCCCGCGCTCCCTCCCCCTCCCGCTCCTCTATAACTTGGCTGGCGTGGAGGAGCG CCGCCGGAGTCGAGGGCGGGGAGCTAGGAGGAGGGAGCTCGAGAGTTGTGGAGACTAGT GACTGGGAAGAAGTCGACGCCCGCTCAGGCCCGCGCCTTCCCGCTCCCGTCTTCTCTC TCACACACCTACTCCGCCTCCGCCCCAGCCCGCGCGCTAGCTCCTTCTCNCCTGGGG TTCCTGCCGCTACCTCCGGGTCTGCGCGNNNGGGGCGCCCGGGGGTGCCTCGCCC TCCGTTGCGGCCGGGCCGCGTATGTGGCGCCTGTGCCCCGAAGCTGGGCCGCGCTGT CCCGCTCGTGNAGCTGGGGGCGCTGGCACCCCGTGGGGCCCCGNGGGGGCTGACTTCCC GTCGCTGCTGCCTCTTGGAGCGCAAGAACTGACCGACCGCGCTTCTGCACTCAATAGG CCCCGGGGTGCTTCGACAAGCTGGGGGCGCGCTCTACGGGAACGGGGGGTTTTTCGGG GGCGGGGGGCGCTTGCCTGCTGGACTTCTACGGAAGAAGGGGACTTTCGGCATAACG GACCCCGGAGGGGGGCCCCCCCAAGGGGGGCAAGGCCCTGGTTC </pre>
Restriction Sites:	NotI-NotI
ACCN:	NM_173552
OTI Disclaimer:	Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery. 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
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_173552.2 , NP_775823.1
RefSeq Size:	4091 bp
RefSeq ORF:	1293 bp
Locus ID:	205428

UniProt ID: [Q8NDZ4](#)

Cytogenetics: 3q24

Gene Summary: May play a role in cardiomyocyte proliferation through paracrine signaling and activation of the PPI3K-AKT-CDK7 signaling cascade.[UniProtKB/Swiss-Prot Function]
Transcript Variant: This variant (1) represents the longer transcript and encodes the longer isoform (a).