

Product datasheet for **RN212478**

Dgkz (NM_031143) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Dgkz (NM_031143) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Dgkz
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >RN212478 representing NM_031143
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGAGCCCGGGACCCAGCCCCGAGGCCGGAGCAGCGACTCGGAGTCGGCCTCCGCCTCGTCCAGCG
 GCTCCGAGCGCGACGCGGATCCGGAGCCGACAAGGCTCCGCGGGCGTTAACCAAGAGGCGCTTCCCGGG
 GCTGCGGCTCTTTGGGCACAGGAAAGCCATCACCAAGTCGGGCCTCCAGCACCTGGCACCCCTCTCC
 ACGCCTGGGGCCCGTGCGGTGAATCTGAGCGGCAGATCCGGAGTACTGTGGACTGGAGTGAGTCAGCAG
 CGTATGGGGAGCACATCTGGTTTGGACCAACGTGTCCGGAGATTTCTGCTATGTCGGGGAGCAGTACTG
 TGTAGCTAAGATGCTGCCGAAGTCAGCGCCAGAAGAAAGTGTGCAGCCTGTAAGATCGTGGTGCATACC
 CCTTGCATCGGGCAGCTGAAAAGATCAATTTCCGCTGTAAAGCCATCCTCCGTGAATCAGGCTCCAGGA
 ATGTCCGTGAGCCAACCTTCGTAAGACACCACTGGGTCCACAGGGCAGCCAGGATGGCAAGTGTGGCA
 CTGTGGGAAGGGCTTCCAGCAGAAGTTCACCTTCCACAGCAAAGAGATCGTAGCTATCAGCTGTTCTGG
 TGCAAACAGGCGTACCACAGCAAGGTGTCTGTCTCATGCTGCAGCAGATTGAGGAGCCCTGTTCCCTAG
 GGGTGCATGCAGCCGTGGTGCATCCACCCACCTGGATCCTACGGGCCCGAGGCCCCAGAACACCCTCAA
 GGCCAGCAAGAAGAAAAAGAGAGCATCCTTCAAAGGAGATCCAGTAAGAAAGGACCTGAGGAAGGCCGC
 TGGAGACCCTTCATCATCAGGCCACCCCGTCCCCCTCATGAAGCCCTGCTAGTGTGTTGTAACCCCA
 AGAGTGGGGTAACCAGGGCGCTAAGATCATCCAGTCTTTTCTGTGGTATCTGAACCCCGGCAAGTCTT
 CGATCTGAGCCAGGGAGGACCCAGGGAAGCGCTGGAAATGTACCGCAAAGTCCATAATTTGAGGATCTG
 GCTTGGGGGTGATGGCAGGTTGGCTGGATTCTTCCACCTAGACCAGCTGCGCTTAAACCCACCAC
 CTCTGTGGCCATCCTGCCCTGGCAGTGGCAATGACCTGGCCGAACCTCAACTGGGGTGGGGTTA
 CACAGATGAGCCAGTGTCAAAGATCCTTTCCCATGTAGAGGAGGGGAACGTGGTACAGCTGGACCGTTGG
 GACCTCCGAGCAGAGCCCAACCTGAGGAGGGCCTGAGGAGCGAGATGACGGAGCCACTGACCGCTGC
 CCCTGGATGTCTTCAACAATACTTCACTGCTGGCTTTGATGCCACGTACCCTGGAGTTTTCATGAGTC
 TCGAGAAGCAACCCAGAGAAGTTCAACAGCCGCTTTCGGAATAAGATGTTCTATGCTGGGACAGCCTTC
 TCTGACTTCTGATGGCAGCTCCAAGGACTTAGCCAAGCACATCCGAGTGTGTGACGGATGGACC
 TAACCCCAAGATTCAGGACCTGAAACCGCAGTGCATAGTCTTTCTGAATATCCCAGGACTGTGCAGG
 CACCATGCCCTGGGGCCACCCTGGGAGCACCATGACTTCGAGCCCGAGGACAGATGATGGCTACCTC
 GAGGTATCGGCTTACCATGACATCCTTGGCCGATTGCAGGTGGTGGACACGGCGAGCGGCTGACCC
 AGTGCCGAGAAGTGTGCTCACCCTGCCAAGGCCATCCCTGTGAGGTGGATGGTGAACCTGCAAGCT
 TGCAGCATCGCGGATTGCAATTGCCCTGCGCAACCAGGCCACTATGGTGCAGAAGGCCAAGCGCCGAGT
 ACTGCCCACTGCACAGCGATCAGCAGCCAGTTCCTGAGCAGCTGAGGATCCAAGTGAGCAGGGTCAGCA
 TGCACGACTACGAGGCTCTCATTATGACAAGGAGCAGCTCAAGGAGGCCCTGTGTGCTCTGGTACTGT
 GGTGGTCCCGGAGACAGTGACCTAGAGCTTCCGAGCCACATTGAGAGACTCCAGCAGGAGCCCGAT
 GGGGCTGGAGCCAAGTCCCCATGTGCCACCACTGTCTCCAAGTGGTGTTCCTGGACGCCACCACTG
 CCAGCCGCTTCTACAGGATCGACAGGGCCAGGAGCACCTCAACTATGTGACGGAGATTGCCAGGATGA
 GATTTATATCCTAGACCCAGAGCTGCTGGGTGCATCAGCCGACCTGACCTCCCTACCCCTACCTCCCG
 CTCCTGCCTCCCCTGCTCCCCTACACCCGGTCACTGCAGGGGATGCCGACTGCCCAAGGTGAAG
 AGCTGATTGAAGTGCACAAGAGGAATGACTTCTGCAAGCTCCAGGAACTACACCGAGCAGGAGGTGACCT
 CATGCACCGCAGCATCAGAGCCGACACTCCTGCACCACGAGTGCAGTGGCAGTAAGGAAGTGGTC
 CGTATCTGCTGATCATGCACCACAGAGATCCTCGATGCTGTGGAGGAGAACGGGGAGACCTGTCTAC
 ACCAGGACGCCCTAGGTGAGCGACCATCTGCCACTACATTGTGGAAGCCGGGGCTCCCTCATGAA
 GACAGATCAGCAGGGCAGACTCCAGGACGAGCTGAGAAGGCTCAAGACACAGAGCTAGCTGCATAC
 CTGGAGAACAGACAACATTACCAGATGATCCAACGTGAGGACCAGGAGACAGCTGT**AG**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN:	NM_031143
Insert Size:	2790 bp
OTI Disclaimer:	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
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_031143.1 , NP_112405.1
RefSeq Size:	3560 bp
RefSeq ORF:	2790 bp
Locus ID:	81821
UniProt ID:	O08560
Cytogenetics:	3q24
Gene Summary:	catalyzes the conversion of diacylglycerol to phosphatidic acid [RGD, Feb 2006]