

Product datasheet for **MR219325**

Dmkn (NM_001166174) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Dmkn (NM_001166174) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Dmkn
Synonyms:	1110014F24Rik; AW561900; C130074A08; cl-36; SK30; SK89
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>MR219325 representing NM_001166174
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGAAGCTACAGGGCTCTCTGGCCTGCCTCCTGCTGGCCCTATGTCTGGGTGGTGGGGCAGCTAACCCG
 TGCACAGTGGAGGGGAGGGCACAGGGCAAGTGCCTGCCATGGAGCAGGAGATGCCATTAGCCATGGAAT
 TGGAGAGGCTGTGGGCCAAGGGCTAAAGAAGCAGCCAGCTCTGGAATCCAGAATGCCCTAGGCCAGGGG
 CACGGAGAGGAAGGTGGCTCCACATTGATGGGAGCAGAGGCGATGTTTTGAGCACCGGCTTGGGGAAG
 CAGCAAGATCTCTGGGAACGCTGGGAATGAGATTGGCAGACAGGCTGAGGATATCATTGCGCAAGGGGT
 AGATGCTGTCCACAACGCTGGTCTGGGGACATCTGGAGGTCATGGCGCATATGGCTCTCAAGGTGGT
 GCTGGAGTCCAGGGCAATCCTGGTCTCAAGGGACACCCTGGGCCTCAGGAGGCAACTATGGGACTAACT
 CTCTGGGTGGCTCTGTGGTCTGGGTGGCAATGGCGGACCACTCAACTATGAAACCAATGCCAGGGAGC
 TGTGGCTCAGCCTGGCTACGGGACAGTGGAGGCAACAACCAGAAGTCAAGGTGTACCAACCCCACT
 TCTGGCTCCCATGAAAGCTTCAGTAACTCTGGGGGAAGCAGCAATGATGGCAGTCGTGGTAGCCAAGGCA
 GTCATGGCAGTAATGGTCAAGGCAGCAGCGGTAGAGGCGGTGGCCAAGGCAACAGCGACAACAATGGCAG
 CAGTAGCAGTAGCAGCGGCAGCAACAGTGGCAACAGCAACAGTGGCAACAGCGGCAACAGCAACAGTGGC
 AACAGCGGCAACAGCGGTTCTGGGTCCCGGGGAACCGGCAGCAGGGGTGGAAGTGGTGGAAAGTGGTGGAA
 GTGGTGGTGGAAACAACCCGAGTGAACAACCCAGGGAATGATGTGCGCATGGCCGGAGGATCTGGGAG
 TCAGGGGCATGGTCCAATGGTGGCAATATACAAAAGAAGCTGTCAATGGACTCAACACTATGAACTCG
 GATGCATCTACCTTCCCTTCAACATTGACAATTTCTGGGAGAATCTTAAGTCCAAGACGCGCTTCATTA
 ACTGGGATGCCATAAACAAGGGTCAATGCCCACTCCCAGCACTCGGGCTTTACTCTACTCCGCAACT
 GTGGGAGAATTTCAAACGCAGCACTCCTTTCTCAACTGGAAACAGATTGAGGGTTCAGATCTGTCTCT
 CTGCAGAAGAGGGCAGGTGGAGCTGACCAGTTTTCTAAGCCTGAAGCAAGACAAGATCTTTCAGCTGACT
 CATCCAAGAAGTACTACAATAACAGCAGGTGAATCCTACTTACAAGTGGCAATACTATACCAAGACCAC
 TGCCAAGGCGGGAGTCACACCTTCATCTTCTCGGCTTCCCGGCACAACCTGGCCTGCTGAAGTGGCTG
 AAGTTTTGG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR219325 representing NM_001166174
 Red=Cloning site Green=Tags(s)

MKLQGSACLALLALCLGGGAANPLHSGGEGTGASAAHGAGDAISHGIGEAVGQGAKEAASSGIQNALGQG
 HGEEGGSTLMGSRGDFVEHRLGEAARSLGNAGNEIGRQAEDIIRQGVDAVHNAGSWGTSGGHGAYGSQGG
 AGVQGNPQPQTPWASGGNYGTNSLGGVQGGGGLNYETNAQGAVAQPGYGTVRGNNQNSGCTNPPP
 SGSHESFSNSGGSSNDGSRGSQGSNGQSSGRGGQNSDNNGSSSSSSGNSGNSGNSGNSGNSG
 NSGNSGSGSRGTGSRGSGGSGGSGGNKPECNPNPNDVRMAGGSGSQGHGNSGGNIQKEAVNGLNMTMS
 DASTLPFNIDNFWENLKSRTFINKGHAPSPSTRALLYFRKLWENFKRSTPFFNWQIEGSDLSS
 LQKRAGGADQFSKPEARQDLADSSKNYNNQVNPYQYTKTTAKAGVTPSSSSASRAQPGLLKWL
 KFW

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:



ACCN: NM_001166174

ORF Size: 1479 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:

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_001166174.1](#), [NP_001159646.1](#)

RefSeq Size: 1977 bp

RefSeq ORF: 1482 bp

Locus ID: 73712

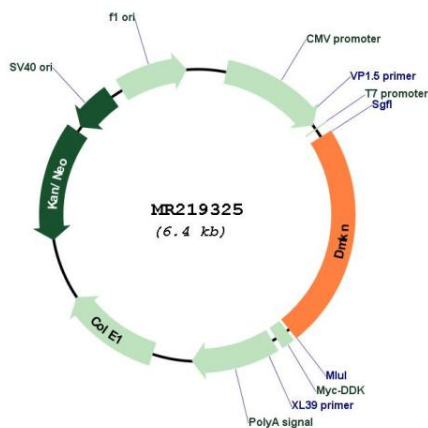
UniProt ID: [Q6P253](#)

Cytogenetics: 7 B1

MW: 49.8 kDa

Gene Summary: May act as a soluble regulator of keratinocyte differentiation.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR219325