

Product datasheet for **MR219250**

Dmkn (NM_001166173) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Dmkn (NM_001166173) 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:

>MR219250 representing NM_001166173
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGAAGCTACAGGGCTCTCTGGCCTGCCTCTGCTGGCCCTATGTCTGGGTGGTGGGGCAGCTAACCCG
 TGCACAGTGGAGGGGAGGGCACAGGGGCAAGTGCCTGCCATGGAGCAGGAGATGCCATTAGCCATGGAAT
 TGGAGAGGCTGTGGGCCAAGGGGCTAAAGAAGCAGCCAGCTCTGGAATCCAGAATGCCCTAGGCCAGGGG
 CACGGAGAGGAAGGTGGCTCCACATTGATGGGAGCAGAGGCGATGTTTTGAGCACCGGCTTGGGGAAG
 CAGCAAGATCTCTGGGGAACGCTGGGAATGAGATTGGCAGACAGGCTGAGGATATCATTCCGAAGGGGT
 AGATGCTGTCCACAACGCTGGTCTGGGGACATCTGGAGGTGATGGCGCATATGGCTCTCAAGTGGT
 GCTGGAGTCCAGGGCAATCCTGGTCTCAAGGGACACCCTGGGCCTCAGGAGGCAACTATGGGACTAACT
 CTCTGGGTGGCTCTGTGGTCTCAGGGTGGCAATGGCGGACCACTCAACTATGAAACCAATGCCAGGGAGC
 TGTGGCTCAGCCTGGCTACGGGACAGTGAAGGCAACAACCAGAAGTCAAGGTGTACCAACCCCACTCT
 TCTGGCTCCCATGAAAGCTTCAGTAACTCTGGGGGAAGCAGCAATGATGGCAGTCGTGGTAGCCAAGGCA
 GTCATGGCAGTAATGGTCAGGGCAGCAGCGGTAGAGGCGGTGGCCAAGGCAACAGCGACAACAATGGCAG
 CAGTAGCAGTAGCAGCGGCAGCAACAGTGGCAACAGCAACAGTGGCAACAGCGGCAACAGCAACAGTGGC
 AACAGCGGCAACAGCGGTTCTGGGTCCCGGGACATAGAAAACATCTAATTTTGGTGAAGGCTATTCGGTCT
 CCAGGGGAACCGGCAGCAGGGGTGGAAGTGGTGGAAAGTGGTGGAAAGTGGTGGAAACAAACCCGAGTG
 TAACAACCCAGGGAATGATGTGCGCATGGCCGGAGGATCTGGGAGTCAGGAAAGTAAAGAAAGCAGTCAT
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 GCTTTACTCTACTTCCGCAAACGTGGGAGAATTTCAAACGCAGCACTCCTTTCTCAACTGGAAACAGA
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 TGGCAATACTATACCAAGACCACTGCCAAGCGGGAGTCACACCTTCATCTTCTCGGCTCCCGGGCAC
 AACCTGGCCTGCTGAAGTGGCTGAAGTTTTGG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR219250 representing NM_001166173
 Red=Cloning site Green=Tags(s)

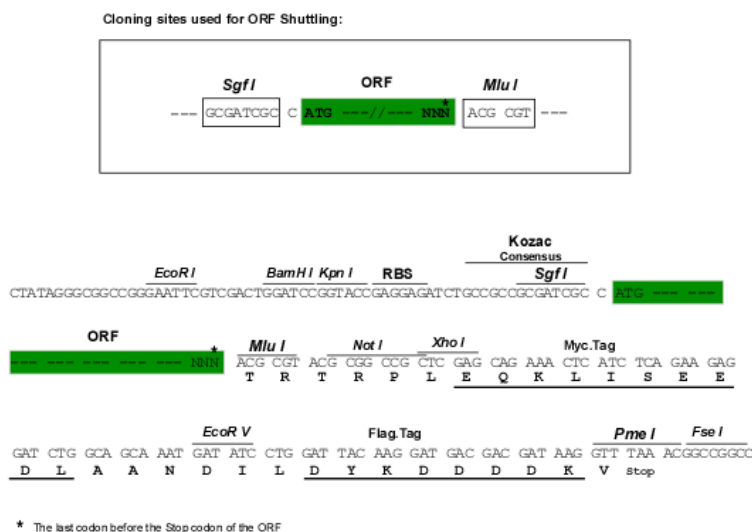
MKLQGSACLALLALCLGGGAANPLHSGGEGTGASAAHGAGDAISHGIGEAVGQGAKEAASSGIQNALGQG
 HGEEGSTLMGSRGDVFEHRLGEAARSLGNAGNEIGRQAEDIIRQGVDAVHNAGSWGTSGGHGAYGSQGG
 AGVQGNPQPQGTWPASGGNYGTNSLGGSVGQGGNGPLNYETNAQGAVAQPGYGTVRGNQNSGCTNPPP
 SGSHEFSNSGGSSNDGSRGSQGSNGQSSGRGGQNSDNNGSSSSSSGNSGNSGNSGNSGNSGNSG
 NSGNSGSRDIETSNFDEGYSVSRGTGSRGGSGSGGGNKPECNNPNDVVMAGGSGSQESKESH
 LLGGSHDYQGHGNSGNIQKEAVNGLNTMNSDASTLPFNIDNFWENLKSSTRFINWDAINKGHAPSPSTR
 ALLYFRKLWENFKRSTPFFNWKQIEGSDLSSLQKRAGGADQFSKPEARQDL SADSSKNYYNNQVNPPTYN
 WQYYTKTTAKAGVTPSSSSASRAQPGLLKWLKFW

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:



ACCN: NM_001166173

ORF Size: 1572 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_001166173.1](#), [NP_001159645.1](#)

RefSeq Size: 2070 bp

RefSeq ORF: 1575 bp

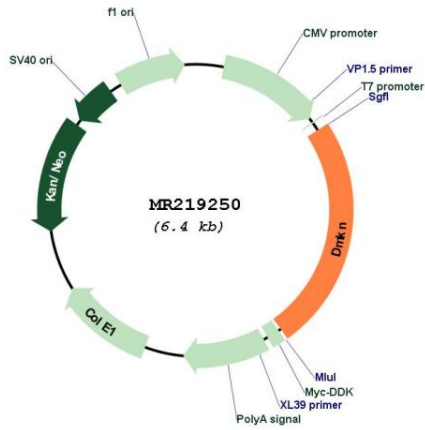
Locus ID: 73712

Cytogenetics: 7 B1

MW: 53.3 kDa

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

Product images:



Circular map for MR219250