

Product datasheet for **MG219250**

Dmkn (NM_001166173) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Dmkn (NM_001166173) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Dmkn
Synonyms:	1110014F24Rik; AW561900; C130074A08; cl-36; SK30; SK89
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>MG219250 representing NM_001166173
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGAAGCTACAGGGCTCTCTGGCCTGCCTCCTGCTGGCCCTATGTCTGGGTGGTGGGGCAGCTAACCCG
 TGCACAGTGGAGGGGAGGCACAGGGCAAGTGCCTGCCATGGAGCAGGAGATGCCATTAGCCATGGAAT
 TGGAGAGGCTGTGGGCCAAGGGCTAAAGAAGCAGCCAGCTCTGGAATCCAGAATGCCCTAGGCCAGGGG
 CACGGAGAGGAAGGTGGCTCCACATTGATGGGAGCAGAGGCGATGTTTTGAGCACCGGCTTGGGGAAG
 CAGCAAGATCTCTGGGAACGCTGGGAATGAGATTGGCAGACAGGCTGAGGATATCATTCCGAAGGGGT
 AGATGCTGTCCACAACGCTGGTCTGGGGACATCTGGAGGTGATGGCGCATATGGCTCTCAAGTGGT
 GCTGGAGTCCAGGGCAATCCTGGTCTCAAGGGACACCCTGGCCTCAGGAGGCAACTATGGGACTAACT
 CTCTGGGTGGCTCTGTGGTCAAGGTGGCAATGGCGGACCACTCAACTATGAAACCAATGCCAGGGAGC
 TGTGGCTCAGCCTGGCTACGGGACAGTGAAGGCAACAACCAGAAGTCAAGGTGTACCAACCCCACT
 TCTGGCTCCCATGAAAGCTTCAGTAACTCTGGGGGAAGCAGCAATGATGGCAGTCGTGGTAGCCAAGGCA
 GTCATGGCAGTAATGGTCAGGGCAGCAGCGGTAGAGGCGGTGGCCAAGGCAACAGCGACAACAATGGCAG
 CAGTAGCAGTAGCAGCGGCAGCAACAGTGGCAACAGCAACAGTGGCAACAGCGGCAACAGCAACAGTGGC
 AACAGCGGCAACAGCGGTTCTGGGTCCCGGGACATAGAAACATCTAATTTTATGAAAGGCTATTCGGTCT
 CCAGGGGAACCGGCAGCAGGGGTGGAAGTGGTGGAAAGTGGTGGAAAGTGGTGGAAACAAACCCGAGTG
 TAACAACCCAGGGAATGATGTGCGCATGGCCGGAGGATCTGGGAGTCAGGAAAGTAAAGAAAGCAGTCAT
 CTCCTTGGAGGCTCCCATGACTACCAGGGCATGGTCCAATGGTGGCAATATACAAAAAGAAGCTGCA
 ATGGCTCAACACTATGAACTCGGATGCATCTACCTTGCCTTCAACATTGACAATTTCTGGGAGAATCT
 TAAGTCCAAGACGCGCTTCATTAAGTGGGATGCCATAAACAAGGGTCATGCCCATCTCCAGCACTCGG
 GCTTTACTCTACTTCCGCAAACGTGGGAGAATTTCAAACGCAGCACTCCTTTCTCAACTGGAAACAGA
 TTGAGGGTTAGATCTGTCTCTGTCAGAAAGAGGGCAGGTGGAGCTGACCAGTTTTCTAAGCCTGAAGC
 AAGACAAGATCTTTCAGCTGACTCATCCAAGAAGTACTACAATAACCAGCAGGTGAATCCTACTTACAAC
 TGGCAATACTATACCAAGACCACTGCCAAGCGGGAGTCACACCTTCATCTTCTCGGCTCCCGGGCAC
 AACCTGGCCTGCTGAAGTGGCTGAAGTTTTGG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>MG219250 representing NM_001166173
 Red=Cloning site Green=Tags(s)

MKLQGSACLALLALCLGGGAANPLHSGGEGTGASAAHGAGDAISHGIGEAVGQGAKEAASSGIQNALGQG
 HGEEGGSTLMGSRGDVFEHRLGEAARSLGNAGNEIGRQAEDIIRQGVDAVHNAGSWGTSGGHGAYGSQGG
 AGVQGNPQPQGPWASGGNYGTNSLGGVQGGNGGPLNYETNAQGAVAQPGYGTVRGNNQNSGCTNPPP
 SCSHESFSNSGGSSNDGSRGSQGSNGQSSGRGGQNSDNNGSSSSSSGNSGNSGNSGNSGNSG
 NSGNSGSGSRDIETSNFDEGYSVSRGTGSRGGSGGSGGSGGKPECNPNPNDVRMAGGSGSQESKESH
 LLGGSHDYQGHGNSGNIQKEAVNGLNMTMSDASTLPFNIDNFWENLKSSTRFINWDAINKGHAPSPSTR
 ALLYFRKLWENFKRSTPFFNWKQIEGSDLSSLQKRAGGADQFSKPEARQDLSDSSKNYYNNQVNPTYN
 WQYYTKTTAKAGVTPSSSSASRAQPGLLKWLKFW

TRTRPLE - GFP Tag - V

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

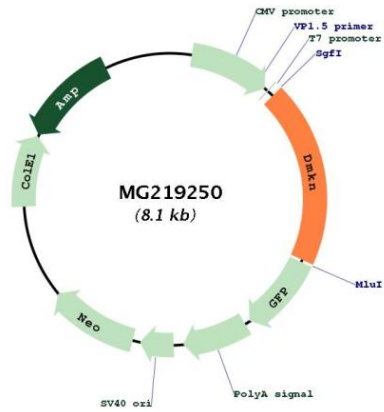
RefSeq ORF: 1575 bp

Locus ID: 73712

Cytogenetics: 7 B1

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

Product images:



Circular map for MG219250