

## Product datasheet for **MG219325**

### **Dmkn (NM\_001166174) Mouse Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Dmkn (NM_001166174) 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:**

>MG219325 representing NM\_001166174  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGCATCGCC**

ATGAAGCTACAGGCTCTCTGGCCTGCCTCCTGCTGGCCCTATGTCTGGGTGGTGGGGCAGCTAACCCG  
 TGCACAGTGGAGGGGAGGCACAGGGCAAGTGCCTGCCATGGAGCAGGAGATGCCATTAGCCATGGAAT  
 TGGAGAGGCTGTGGGCCAAGGGCTAAAGAAGCAGCCAGCTCTGGAATCCAGAATGCCCTAGGCCAGGGG  
 CACGGAGAGGAAGGTGGCTCCACATTGATGGGAGCAGAGGCGATGTTTTGAGCACCGGCTTGGGGAAG  
 CAGCAAGATCTCTGGGAACGCTGGGAATGAGATTGGCAGACAGGCTGAGGATATCATTCCGAAGGGGT  
 AGATGCTGTCCACAACGCTGGTCTGGGGACATCTGGAGGTCATGGCGCATATGGCTCTCAAGGTGGT  
 GCTGGAGTCCAGGGCAATCCTGGTCTCAAGGGACACCCTGGGCCTCAGGAGGCAACTATGGGACTAACT  
 CTCTGGGTGGCTCTGTGGTCTGGGTGGCAATGGCGGACCACTCAACTATGAAACCAATGCCAGGGGAGC  
 TGTGGCTCAGCCTGGCTACGGGACAGTGGAGGCAACAACAGAACTCAGGGTGTACCAACCCCACTCT  
 TCTGGCTCCCATGAAAGCTTCAGTAACTCTGGGGGAAGCAGCAATGATGGCAGTCTGGTAGCCAAGGCA  
 GTCATGGCAGTAATGGTCAGGGCAGCAGCGGTAGAGGCGGTGGCCAAGGCAACAGCGACAACAATGGCAG  
 CAGTAGCAGTAGCAGCGGCAGCAACAGTGGCAACAGCAACAGTGGCAACAGCGGCAACAGCAACAGTGGC  
 AACAGCGGCAACAGCGGTTCTGGGTCCCGGGGAACCGGCAGCAGGGGTGGAAGTGGTGGAAAGTGGTGGAA  
 GTGGTGGTGGAAACAACCCGAGTGAACAACCCAGGGAAATGATGTGCGCATGGCCGGAGGATCTGGGAG  
 TCAGGGGCATGGTCCAATGGTGGCAATATACAAAAGAAGCTGTCAATGGACTCAACACTATGAACTCG  
 GATGCATCTACCTTCCCCTTCAACATTGACAATTTCTGGGAGAATCTTAAGTCCAAGACCGCTTTCATTA  
 ACTGGGATGCCATAAACAAGGGTCAATGCCCCATCTCCAGCACTCGGGCTTTACTCTACTCCGCAACT  
 GTGGGAGAAATTTCAAACGCAGCACTCCTTCTCAACTGGAAACAGATTGAGGGTTCAGATCTGTCTCT  
 CTGCAGAAGAGGGCAGGTGGAGCTGACCAGTTTTCTAAGCCTGAAGCAAGACAAGATCTTTCAGCTGACT  
 CATCCAAGAATACTACAATAACAGCAGGTGAATCCTACTTACAACCTGGCAATACTATACCAAGACCAC  
 TGCCAAGCGGGAGTCACACCTTCTCTCGGCTTCCCGGCACAACCTGGCCTGCTGAAGTGGCTG  
 AAGTTTTGG

**ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA**

**Protein Sequence:**

>MG219325 representing NM\_001166174  
 Red=Cloning site Green=Tags(s)

MKLGSLACLLLLALCLGGGAANPLHSGGEGTGASAAHGAGDAISHGIGEAVGQGAKEAASSGIQNALGQG  
 HGEEGGSTLMGSRGDVFEHRLGEAARSLGNAGNEIGRQAEDIIRQGVDAVHNAGSWGTSGGHGAYGSQGG  
 AGVQGNPQPQTPWASGGNYGTNSLGGSVGQGGNGGPLNYETNAQGAVAQPGYGTVRGNNQNSGCTNPPP  
 SGSHEFSNSGGSSNDGSRGSQGSHGNSGQSSGRGGQNSDNNGSSSSSSGNSGNSGNSGNSGNSGNSG  
 NSGNSGSGSRGTGSRGSGSGSGSGGNKPECNPNPNDVVMAGGSGSQGHGNSGGNIQKEAVNGLNTMNS  
 DASTLFPNIDNFWENLKSSTRFINWDAINKGHAPSPSTRALLYFRKLWENFKRSTPFFNWKQIEGSDLSS  
 LQKRAGGADQFSKPEARQDLSADSSKNYNNQVNPNTYNWQYYTKTTAKAGVTPSSSSASRAQPGLLKWL  
 KFW

**TRTRPLE - GFP Tag - V**

**Restriction Sites:**

Sgfl-Mlul

**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

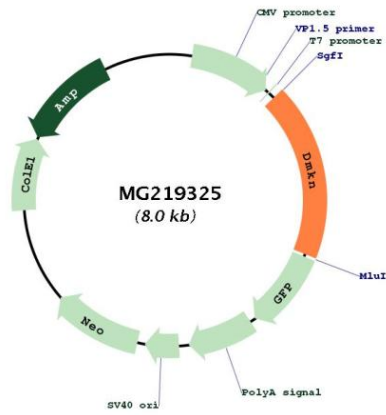
**Locus ID:** 73712

**UniProt ID:** [Q6P253](#)

**Cytogenetics:** 7 B1

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

**Product images:**



Circular map for MG219325