

## Product datasheet for **MG208178**

### Dmkn (NM\_172899) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Dmkn (NM_172899) 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:**

>MG208178 representing NM\_172899  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGAAGCTACAGGGCTCTCTGGCCTGCCTCTGCTGGCCCTATGTCTGGGTGGTGGGGCAGCTAACCCG  
 TGCACAGTGGAGGGGAGGGCACAGGGCAAGTGCCTGCCATGGAGCAGGAGATGCCATTAGCCATGGAAT  
 TGGAGAGGCTGTGGGCCAAGGGCTAAAGAAGCAGCCAGCTCTGGAATCCAGAATGCCCTAGGCCAGGGG  
 CACGGAGAGGAAGGTGGCTCCACATTGATGGGAGCAGAGGCGATGTTTTGAGCACCGGCTTGGGGAAG  
 CAGCAAGATCTCTGGGAACGCTGGGAATGAGATTGGCAGACAGGCTGAGGATATCATTCCGAAGGGGT  
 AGATGCTGTCCACAACGCTGGTCTGGGGACATCTGGAGGTGATGGCGCATATGGCTCTCAAGGTGGT  
 GCTGGAGTCCAGGGCAATCCTGGTCTCAAGGGACACCCTGGGCCTCAGGAGGCAACTATGGGACTAACT  
 CTCTGGGTGGCTCTGTGGTCTGGGTGGCAATGGCGGACCACTCGACTATGAAACCAATGCCAGGGAGC  
 TGTGGCTCAGCCTGGCTACGGGACAGTGGAGGCAACAACCAGAAGTGTGGGTGTACCAACCCCACT  
 TCTGGCTCCCATGAAAGCTTCAGTAACTCTGGGGGAAGCAGCAATGATGGCAGTCTGGTAGCCAAGGCA  
 GTCATGGCAGTAATGGTCAGGGCAGCAGCGGTAGAGGCGGTGGCCAAGGCAACAGCGACAACAATGGCAG  
 CAGTAGCAGTAGCAGCGGCAGCAACAGTGGCAACAGCAACAGTGGCAACAGCGGCAACAGCAACAGTGGC  
 AACAGCGGCAACAGCGGTTCTGGGTCCCGGGACATAGAAACATCTAATTTTATGTAAGGCTATTCGGTCT  
 CCAGGGGAACCGGCAGCAGGGGTGGAAGTGGTGGAAAGTGGTGGTGGAAACAACCCGAGTG  
 TAACAACCCAGGGAATGATGTGCGCATGGCCGGAGGATCTGGGAGTCAGGGGCATGGGTCCAATGGTGGC  
 AATATACAAAAAGAAGCTGTCAATGGACTCAACTATGAACCTCGGATGCATCTACCTTGCCCTTCAACA  
 TTGACAATTTCTGGGAGAATCTTAAGTCCAAGACGCGCTTCATTAAGTGGGATGCCATAAACAAGGTCA  
 TGCCCCATCTCCAGCACTCGGGCTTTACTCTACTTCCGCAAAGTGTGGGAGAATTTCAAACGCAAGCACT  
 CCTTTCTCAACTGGAACAGATTGAGGGTTCAGATCTGTCATCTCTGCAGAAGAGGGCAGTGGAGCTG  
 ACCAGTTTTCTAAGCCTGAAGCAAGACAAGATCTTTCAGCTGACTCATCCAAGAAGTACTACAATAACCA  
 GCAGGTGAATCTACTTACAAGTGGCAACTATAACCAAGACCACTGCCAAGCGGGGAGTCACACCTTCA  
 TCTTCTCGGCTCCCGGCACAACCTGGCCTGCTGAAGTGGCTGAAGTTTTGG

**ACGCGTACGCGGCCGCTCGAG** - GFP Tag - GTTTAA

**Protein Sequence:**

>MG208178 representing NM\_172899  
 Red=Cloning site Green=Tags(s)

MKLGSLACLLLLALCLGGGAANPLHSGGEGTGASAAHGAGDAISHGIGEAVGQGAKEAASSGIQNALGQG  
 HGEEGGSTLMGSRGDVFEHRLGEAARSLGNAGNEIGRQAEDIIRQGVDAVHNAGSWGTSGGHGAYGSQGG  
 AGVQGNPQPQGTWPWASGGNYGTNSLGGSVGQGGNGGPLDYETNAQGAVAQPGYGTVRGNNQNSGCTNPPP  
 SGSHEFSNSGGSSNDGSRGSQGSNQGSSGRGGQNSDNNGSSSSSSGNSGNSGNSGNSGNSGNSG  
 NSGNSGSGSRDIETSNFDEGYSVSRGTGSRGGSGGSGGSGGNKPECNNPGNDVIRMAGGSGSQGHGNSGG  
 NIQKEAVNGLNMTMSDASTLPPFNIDNFWENLKSSTRFINWDAINKGHAPSPSTRALLYFRKLWENFKRST  
 PFFNWKQIEGSDLSSLQKRAGGADQFSKPEARQDL SADS SKNYNNQVNPYTNWQYYTKTTAKAGVTPS  
 SSSASRAQPGLLKWLKFW

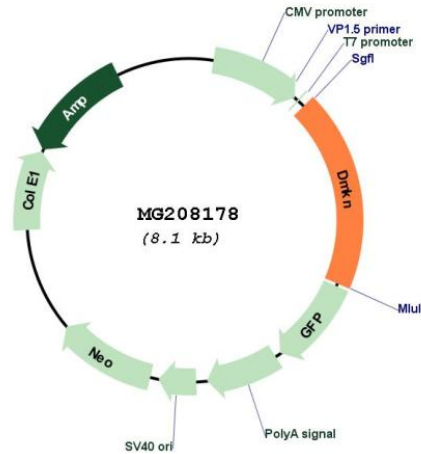
**TRTRPLE** - GFP Tag - V

**Restriction Sites:**

Sgfl-MluI



Plasmid Map:



ACCN: NM\_172899

ORF Size: 1524 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\\_172899.3](#)

**RefSeq Size:** 2044 bp

**RefSeq ORF:** 1527 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]