

# **Product datasheet for RG231189**

### OriGene Technologies, Inc.

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## Dermokine (DMKN) (NM\_001190349) Human Tagged ORF Clone

### **Product data:**

**Product Type:** Expression Plasmids

**Product Name:** Dermokine (DMKN) (NM\_001190349) Human Tagged ORF Clone

Tag: TurboGFP

Symbol: DMKN

Synonyms: UNQ729; ZD52F10

Mammalian Cell Neomycin

Selection:

**Vector:** pCMV6-AC-GFP (PS100010)

E. coli Selection: Ampicillin (100 ug/mL)



## **ORF Nucleotide** Sequence:

>RG231189 ORF sequence, codon optimized.

Due to the complexity of NM\_001190349, the ORF clone is codon optimized for mammalian Expression.

The nucleotide sequence differs from the reference sequence, yet the amino acid sequence remains identical.

Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC **GCCGCGATCGCC** 

ATGAAATTCCAAGGCCCCTTGGCCTGTCTGCTGCTTGCGCTTTGCCTTGGATCCGGGGAAGCGGGACCCT TGCAGTCCGGGGAGGAGGACACAGGCACCAACATAGGCGAAGCTCTGGGGCACGGCTTGGGCGATGCACT GAGTGAGGGAGTCGGGAAAGCTATTGGAAAAGAAGCTGGCGGTGCCGCCGGCTCAAAAGTCTCCGAAGCC CTCGGTCAAGGGACAAGAGGGCAGTTGGTACTGGGGTTCGCCAGGTCCCGGGGTTTGGGGTGGCAGACG CGCTGGGTAACAGAGTCGGGGAGGCTGCACACGCCCTCGGCAATACGGGGCACGAAATAGGGAGACAGGC CGAAGACGTTATTCGCCATGGCGCGGATGCCGTCAGAGGGAGCTGGCAAGGCGTCCCGGGGCACAATGGA GCCTGGGAGACATCAGGGGGCCATGGCATCTTCGGCAGTCAGGGGGGCCCTTGGGGGGACAGGGGCAGGGTA ATCCTGGGGGCCTCGGAACACCCTGGGTCCATGGATACCCGGGGAACTCTGCCGGGTCATTTGGTATGAA CCCGCAGGGCGCACCATGGGGCCAAGGCGGCAATGGAGGCCCTCCAAACTTCGGCACCAATACCCAGGGC CATCAGGAAGCGGAGGCGCTCATCCAACTCCGGCGGGGGGTCAGGGTCCCAATCTGGCTCCAGCGGCTC CGGATCTAACGGGGATAACAATAACGGGTCTAGCTCCGGCGGGAGTAGCTCCGGGTCTTCCTCAGGGGGG TCAAGCGGCGGCTCATCCGGCGGATCCTCTGGGAATAGTGGAGGCAGTAGGGGGGGACTCTGGCTCCGAAA GCTCATGGGGCTCATCAACTGGAAGCAGCAGCGGAAATCACGGGGGCTCCGGTGGCGGCAACGGCCATAA GCCCGGAAACTCCCCTGGCATGTTCAACTTCGACACCTTTTGGAAGAACTTTAAAAGCAAG CTTGGATTCATAAATTGGGACGCCATCAATAAGGATCAACGATCCTCTCGGATCCCA

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

**Protein Sequence:** 

>RG231189 representing NM\_001190349 Red=Cloning site Green=Tags(s)

MKFQGPLACLLLALCLGSGEAGPLQSGEESTGTNIGEALGHGLGDALSEGVGKAIGKEAGGAAGSKVSEA LGQGTREAVGTGVRQVPGFGVADALGNRVGEAAHALGNTGHEIGRQAEDVIRHGADAVRGSWQGVPGHNG AWETSGGHGIFGSQGGLGGQQGNPGGLGTPWVHGYPGNSAGSFGMNPQGAPWGQGGNGGPPNFGTNTQG AVAOPGYGSVRASNONEGCTNPPPSGSGGGSSNSGGGSGSGSGSGSGSNGDNNNGSSSGGSSSGSG SSGGSSGGSSGNSGGSRGDSGSESSWGSSTGSSSGNHGGSGGGNGHKPGNSETSPGMFNFDTFWKNFKSK

LGFINWDAINKDQRSSRIP

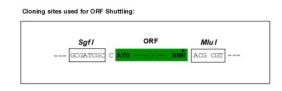
TRTRPLE - GFP Tag - V

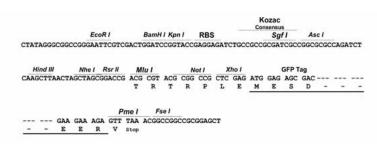
**Restriction Sites:** 

Sgfl-Mlul

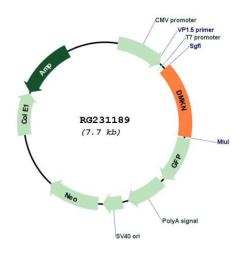


### **Cloning Scheme:**





#### Plasmid Map:



**ACCN:** NM\_001190349

ORF Size: 1107 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.



### Dermokine (DMKN) (NM\_001190349) Human Tagged ORF Clone - RG231189

**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: <u>NM 001190349.1</u>, <u>NP 001177278.1</u>

 RefSeq Size:
 1420 bp

 RefSeq ORF:
 1110 bp

 Locus ID:
 93099

 UniProt ID:
 Q6E0U4

 Cytogenetics:
 19q13.12

**Gene Summary:** This gene is upregulated in inflammatory diseases, and it was first observed as expressed in

the differentiated layers of skin. The most interesting aspect of this gene is the differential use of promoters and terminators to generate isoforms with unique cellular distributions and domain components. Alternatively spliced transcript variants encoding different isoforms

have been identified for this gene. [provided by RefSeq, Jun 2010]