

## Product datasheet for **RC231189**

### 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:	Myc-DDK
Symbol:	Dermokine
Synonyms:	UNQ729; ZD52F10
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**ORF Nucleotide Sequence:**

>RC231189 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)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCCGCC**CGGATCGC**C

ATGAAATTC**AAGGCCCTTGGCCTGTCTGCTGCTTGCCTTTGCCTTGGATCCGGGAAGCGGGACCTTGCAGTCCGGGGAGGAGACAGGCACAGGCACCAACATAGGCGAAGCTCTGGGGCACGGCTTGGCGATGCACTGAGTGAGGGAGTCGGAAAGCTATTGAAAAGAAGCTGGCGGTGCCGCCGGCTCAAAGTCTCCGAAGCCCTCGGTCAAGGGACAAGAGAGGCAGTTGGTACTGGGGTTCGCCAGTCCCGGGTTTGGGGTGGCAGACGCGTGGGTAACAGAGTCGGGGAGGCTGCACACGCCCTCGCAATACGGGGCACGAAATAGGGAGACAGGCCGAAGACGTTATTCGCCATGGCGCGGATGCCGTACAGAGGAGCTGGCAAGCGTCCCGGGGCACAATGGAGCCTGGGAGACATCAGGGGGCCATGGCATCTTCGGCAGTCAGGGGGCCCTGGGGACAGGGGCAGGGTATCCTGGGGCCCTCGGAACCCCTGGGTCCATGGATACCCGGGAACTCTGCCGGTCAATTTGGTATGAA**

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATTACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

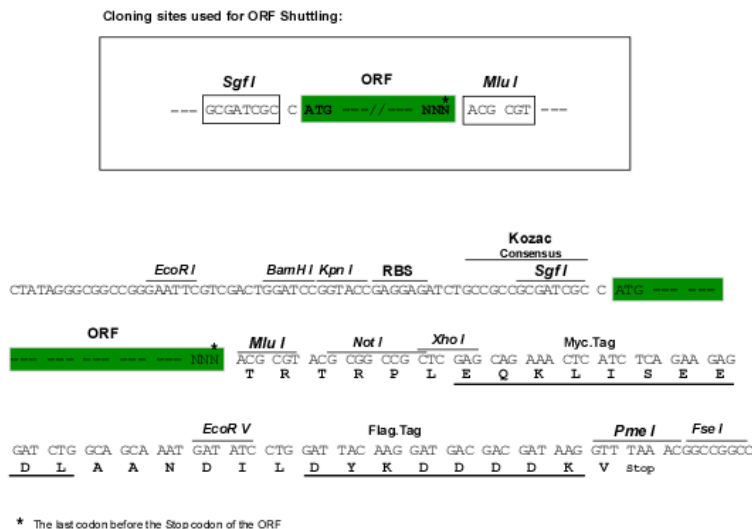
>RC231189 representing NM\_001190349  
 Red=Cloning site Green=Tags(s)

MKFQGPLACLLALCLGSGEAGPLQSGEESTGTNIGEALGHGLGDALSEGVGKAIGKEAGGAAGSKVSEALGQGTREAVGTGVRQVPFGVADALGNRVGEAAHALGNTGHEIGRQAEDVIRHGADAVRGSWQGVPGHNGAWETSGGHGIFGSQGLGGQGQNPGLGTPWVHGYPGNSAGSFGMNPQGAPWQGGNGGPPNFGTNTQGAVAQPGYGSVRASNQNEGCTNPPPSGGGSSNSGGGSGSQSGSSGSGSNGDNNNGSSGGSSSGSSGGSSGGSSGSSGSSGSRGDSGSESSWGSSTGSSSNHGGSGGGNGHKPGNSETSPGMFNFDTFWKNFKSKLGFINWDAINKDQRSSRIP

**TR**TRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:**

SgfI-MluI

**Cloning Scheme:**


**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.

**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\\_001190349.1](#), [NP\\_001177278.1](#)

**RefSeq Size:** 1420 bp

**RefSeq ORF:** 1110 bp

**Locus ID:** 93099

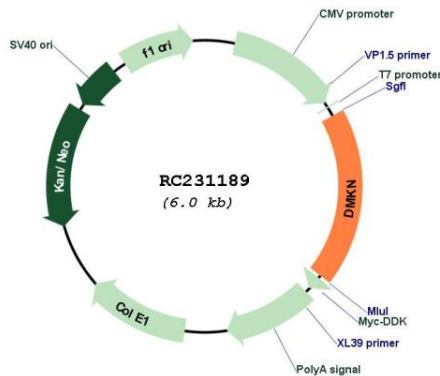
**UniProt ID:** [Q6E0U4](#)

**Cytogenetics:** 19q13.12

**MW:** 35.3 kDa

**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]

**Product images:**



Circular map for RC231189