

Product datasheet for **RG231189**

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 Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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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)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCCGCC**GCGATCGCC**

ATGAAATTC**AAGGCCCTTGGCCTGTCTGCTGCTTGGCCTTGGCCTTGGATCCGGGAAGCGGGACCTTGCAGTCCGGGGAGGAGACAGGCACAGGCACCAACATAGGCGAAGCTCTGGGGCACGGCTTGGGCGATGCACTGAGTGAGGGAGTCGGGAAAGCTATTGAAAAGAAGCTGGCGGTGCCGCCGGCTCAAAGTCTCCGAAGCCCTCGGTCAAGGGACAAGAGAGGCAGTTGGTACTGGGGTTCGCCAGGTCCCGGGTGGGGTGGCAGACGCGCTGGGTAACAGAGTCGGGGAGGCTGCACACGCCCTCGCAATACGGGGCACGAAATAGGGAGACAGGCCGAAGACGTTATTCGCCATGGCGCGGATGCCGTACAGAGGAGCTGGCAAGCGTCCCGGGGCACAATGGA**

GCCTGGGAGACATCAGGGGGCCATGGCATCTTCGGCAGTCAGGGGGGCCCTGGGGGACAGGGGCAGGGTATCCTGGGGGCCCTCGGAACACCTGGGTCCATGGATACCCGGGAACTCTGCCGGTCAATTTGGTATGAA

CCCGCAGGGCGCACCATGGGGCCAAGGCGGCAATGGAGGCCCTCCAACTTCGGCACCAATACCCAGGGCGCCGTTGCCAGCCCGGATACGGAAGCGTCAGAGCGTCCAACAAAATGAGGGGTGCACAAACCCACCTC

CATCAGGAAGCGGAGGCGGCTCATCAACTCCGGCGGGGGTCAAGGTCCAATCTGGCTCCAGCGGGCTCGGATCTAACGGGGATAACAATAACGGGTCTAGCTCCGGCGGGAGTAGCTCCGGTCTTCCTCAGGGGGTCAAGCGCGGCTCATCCGGCGGATCCTCTGGGAATAGTGAGGAGCAGTAGGGGGGACTCTGGCTCCGAAAGCTCATG

GGGCTCATCAACTGGAAGCAGCAGCGGAAATCACGGGGCTCCGGTGGCGGCAACGGCCATAAGCCCGAAACTCCGAAACATCCCCTGGCATGTTCAACTTCGACACCTTTTGAAGAACTTTAAAAGCAAGCTTGGATTATAAATTGGGACGCCATCAATAAGGATCAACGATCCTCTCGGATCCCA

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence:

>RG231189 representing NM_001190349
 Red=Cloning site Green=Tags(s)

MK**FQ**GPLACLLLALCLGSGEAGPLQSGEESTGTNIG**EALGHGLGDAL**SEGVGKAIGKEAGGAAGSKVSEA
 LGQGTREAVGTGVRQVPFGVADALGNRVGEAAHALGNTGHEIGRQAEDVIRHGADAVRGSWQGVPHNG
 AWETSGGHGIFGSQGLGGQGNPGLGTPWVHGYPGNSAGSFGMNPQGAPWQGGNGGPPNFGTNTQG
 AVAQPGYGSVRASNQNEGCTNPPPSGGSGSSNSGGSGSQQSGSSGSGSNGDNNNGSSSGSSGSSSGG
 SSGSSGSSGSSGSRGDSGSESSWGSSTGSSSGNHGGSGGGNGHKPGNSETSPGMFNFDTFWKNFKSK
 LGFINWDAINKDQRSSRIP

TRTRPLE – GFP Tag – V

Restriction Sites:

SgfI-MluI

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:	<ol style="list-style-type: none">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:	<u>Q6E0U4</u>
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]