

Product datasheet for **RG209707**

Cytokeratin 19 (KRT19) (NM_002276) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Cytokeratin 19 (KRT19) (NM_002276) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Cytokeratin 19
Synonyms:	CK19; K1CS; K19
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG209707 representing NM_002276 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGACTTCCTACAGCTATCGCCAGTCGTCGGCCACGTCGTCCTTCGGAGGCCTGGGCGCGGCTCCGTGC
GTTTTGGCCGGGGTTCGCTTTTCGCGCGCCAGCATTACGGGGCTCCGGCGCCGCGGCGTATCCGT
GTCCTCCGCCGCTTTGTGTCCTCGTCTCCTCGGGGCTACGGCGCGGCTACGGCGGCTCCTGACC
GCGTCCGACGGGCTGCTGGCGGCAACGAGAAGCTAACCATGCAGAACCTCAACGACCGCTGCCCTCT
ACCTGGACAAGGTGCGCGCCCTGGAGGCGCCAAACGGCGAGCTAGAGGTGAAGATCCGCGACTGGTACCA
GAAGCAGGGGCTGGGCCCTCCCGGACTACAGCCACTACTACACGACCATCCAGGACCTGCGGGACAAG
ATTCTTGGTGCCACCATTGAGAACTCCAGGATTGTCTGCAGATCGACAATGCCCGTCTGGCTGCAGATG
ACTTCCGAACCAAGTTTGGAGCGAACAGGCTCTGCGCATGAGCGTGGAGGCCGACATCAACGGCCTGCG
CAGGGTGTGGATGAGCTGACCTGGCCAGGACCGACCTGGAGATGCAGATCGAAGGCCTGAAGGAAGAG
CTGGCCTACCTGAAGAAGAACCATGAGGAGGAAATCAGTACGCTGAGGGGCAAGTGGGAGGCCAGGTCA
GTGTGGAGGTGGATCCGCTCCGGGCACCGATCTCGCCAAGATCCTGAGTGACATGCGAAGCCAATGA
GGTCATGGCCGAGCAGAACCAGGATGCTGAAGCCTGGTTCACCAGCCGGACTGAAGAATTGAACCGG
GAGGTCGCTGGCCACACGGAGCAGTCCAGATGAGCAGGTCGAGGTTACTGACCTGCGGCGCACCTTC
AGGGTCTTGAGATTGAGCTGCAGTCACAGCTGAGCATGAAAGCTGCCTTGGAAAGACACACTGGCAGAAAC
GGAGGCGCGCTTTGGAGCCAGCTGGCGCATATCCAGGCGCTGATCAGCGGTATTGAAGCCAGCTGGGC
GATGTGCGAGCTGATAGTGAGCGGCAGAAATCAGGAGTACCAGCGGCTCATGGACATCAAGTCGCGGCTGG
AGCAGGAGATTGCCACCTACCGCAGCCTGCTCGAGGGACAGGAAGATCACTACAACAATTTGTCTGCCTC
CAAGTCTCTC

ACGCGTACGCGGCGGCTCGAG - GFP Tag - GTTTAA



[View online »](#)

Protein Sequence: >RG209707 representing NM_002276
 Red=Cloning site Green=Tags(s)

MTSYSYRQSSATSSFGLGGGSVRFPGVAFRAPSIHGGSGGRGVSVSSARFVSSSSGAYGGGYGGVLT
 ASDGLLAGNEKLTMQNLNDRLASYLDKVRALAAANGELEVKIRDWYQKQGPSPRDYSHYYTTIQDLRDK
 ILGATIENSRIVLQIDNARLAADDFRTKFETEQUALRMSVEADINGLRRVLDLTLARTDLEMQIEGLKEE
 LAYLKKNHHEEISTLRGQVGGQVSVVEVDSAPGTDLAKILSDMRSQYEVMAEQNRKDAEAWFTSRTEELNR
 EVAGHTEQLQMSRSEVTDLRRTLQGLEIELQSQLSMKAALEDTLAETEARFGAQLAHIQALISGIEAQLG
 DVRADSERQNEYQRLMDIKSRLEQEIATYRSLLLEGQEDHYNNLSASKVL

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_002276

ORF Size: 1200 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_002276.5](#)

RefSeq Size: 1490 bp

RefSeq ORF: 1203 bp

Locus ID: 3880

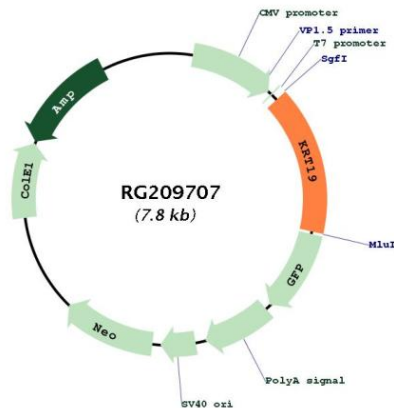
UniProt ID: [P08727](#)

Cytogenetics: 17q21.2

Domains: filament

Gene Summary: The protein encoded by this gene is a member of the keratin family. The keratins are intermediate filament proteins responsible for the structural integrity of epithelial cells and are subdivided into cytokeratins and hair keratins. The type I cytokeratins consist of acidic proteins which are arranged in pairs of heterotypic keratin chains. Unlike its related family members, this smallest known acidic cytokeratin is not paired with a basic cytokeratin in epithelial cells. It is specifically expressed in the periderm, the transiently superficial layer that envelops the developing epidermis. The type I cytokeratins are clustered in a region of chromosome 17q12-q21. [provided by RefSeq, Jul 2008]

Product images:



Circular map for RG209707