

Product datasheet for **RG206784**

Cytokeratin 20 (KRT20) (NM_019010) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Cytokeratin 20 (KRT20) (NM_019010) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Cytokeratin 20
Synonyms:	CD20; CK-20; CK20; K20; KRT21
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG206784 representing NM_019010 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGATTCAGTCGCAGAAGCTTCCACAGAAGCCTGAGCTCCTCCTTGCAGGCCCTGTAGTCAGTACAG
TGGGCATGCAGCGCCTCGGGACGACACCCAGCGTTTATGGGGTGTCTGGAGGCCGGGCATCCGCATCTC
CAACTCCAGACACACGGTGAATATGGGAGCGATCTCACAGGCCGGGGACCTGTTTGTGGCAATGAG
AAAATGGCCATGCAGAACCTAAATGACCGTCTAGCGAGCTACCTAGAAAAGGTGCGGACCCTGGAGCAGT
CCAACCTCAAACCTGAAGTGCAATCAAGCAGTGGTACGAAACCAACGCCCGAGGGCTGGTCGCGACTA
CAGTGCATATTACAGACAAATTGAAGAGCTGCGAAGTCAGATTAAGGATGCTCAACTGCAAAATGCTCGG
TGTGTCCTGCAAAATTGATAATGCTAAACTGGCTGCTGAGGACTTCAGACTGAAGTATGAGACTGAGAGAG
GAATACGTCTAACAGTGGAAAGCTGATCTCCAAGCCTGAATAAGGTCTTTGATGACCTAACCCATACATAA
AACAGATTTGGAGATTCAAATTGAAGAAGTGAATAAAGACCTAGCTCTCCTCAAAAAGGAGCATCAGGAG
GAAGTCGATGGCCTACACAAGCATCTGGGCAACACTGTCAATGTGGAGGTTGATGCTGCTCCAGGCCGTGA
ACCTTGGCGTCATCATGAATGAAATGAGGCAGAAGTATGAAGTCATGGCCAGAAGAACCTTCAAGAGGC
CAAAGAACAGTTTGAGAGACAGACTGCAGTTCTGCAGCAACAGGTCACAGTGAATACTGAAGAATTA
GGAACTGAGTTCAACTAACGGAGCTGAGACGCACCTCCAGAGCCTTGAGATAGAAGTCCAGTCCCATC
TCAGCATGAAAGAGTCTTTGGAGCACACTCTAGAGGAGACCAAGGCCCGTTACAGCAGCCAGTTAGCCAA
CCTCCAGTCGCTGTTGAGCTCTCTGGAGGCCCAACTGATGCAGATTTCGGAGTAACATGGAACGCCAGAAC
AACGAATACCATATCCTTCTTGACATAAAGACTCGACTTGAACAGGAAATTGCTACTTACCGCCGCTTTC
TGAAGGAGAAGACGTAACAACTACAGAAATATCAGTTAAGCACCTGGAAGAGAGAGATATAAAGAAAAC
CAGGAAGATTAAGACAGTCGTGCAAGAAGTAGTGGATGGCAAGGTCGTGCATCTGAAGTCAAAGAGGTG
GAAGAAAATATC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >RG206784 representing NM_019010
Red=Cloning site Green=Tags(s)

MDFSRRSFHRSLSSSLQAPVVSTVGMQRLGTTSPVYGGAGGRGIRISNSRHTVNYGSDLTGGGDLFVGNE
 KMAMQNLNDRLASYLEKVRTLEQSNKLEVQIKQWYETNAPRAGRDISAYRQIEELRSQIKDAQLQNR
 CVLQIDNAKLAEDFRLKYETERGIRLTVADLQGLNKVFDLTLHKTDLEIQIEELNKDLALLKKEHQE
 EVDGLHKHLGNTVNVEVDAAPGLNLGVIMNEMRQKYEYVMAQKNLQEAKEQFERQTAVLQQQVTVNTEELK
 GTEVQLTELRRTSQSLEIELQSHLSMKESLEHTLEETKARYSSQLANLQSLSSLEAQLMQIRSNMERQN
 NEYHILLDIKTRLEQEIATYRRLLEGEDVKTTEYQLSTLEERDIKTRKIKTVVQEYVDGKVVSSSEYKEV
 EENI

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_019010

ORF Size: 1272 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.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: [NM_019010.3](#)

RefSeq Size: 1817 bp

RefSeq ORF: 1275 bp

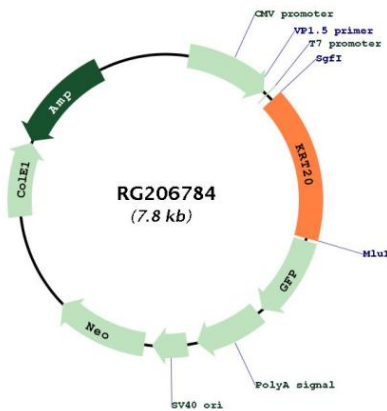
Locus ID: 54474

UniProt ID: [P35900](#)

Cytogenetics: 17q21.2

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. This cytokeratin is a major cellular protein of mature enterocytes and goblet cells and is specifically expressed in the gastric and intestinal mucosa. The type I cytokeratin genes are clustered in a region of chromosome 17q12-q21. [provided by RefSeq, Jul 2008]

Product images:



Circular map for RG206784