

Product datasheet for **SC122880**

Cytokeratin 20 (KRT20) (NM_019010) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Cytokeratin 20 (KRT20) (NM_019010) Human Untagged Clone
Tag:	Tag Free
Symbol:	Cytokeratin 20
Synonyms:	CD20; CK-20; CK20; K20; KRT21
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene sequence for NM_019010 edited
 CAACCATCCTGAAGCTACAGGTGCTCCCTCCTGGAATCTCCAATGGATTTTCAGTCGCAGA
 AGCTTCCACAGAAAGCCTGAGCTCCTCCTTGACAGGCCCTGTAGTCAGTACAGTGGGCATG
 CAGCGCTCGGGACGACACCCAGCGTTTATGGGGTGCTGGAGGCCGGGGCATCCGCATC
 TCCAACTCCAGACACACGGTGAAGTATGGGAGCGATCTCACAGGCCGGGGACCTGTTT
 GTTGGCAATGAGAAAATGGCCATGCAGAACCTAAATGACCGTCTAGCGAGCTACCTAGAA
 AAGGTGCGGACCCTGGAGCAGTCCAACCTCAAAGTTGAAGTGAATCAAGCAGTGGTAC
 GAAACCAACGCCCGAGGGTGGTTCGCGACTACAGTGCATATTACAGACAAATTGAAGAG
 CTGCGAAGTCAGATTAAGGATGCTCAACTGCAAAATGCTCGGTGTCTCCTGCAAAATTGAT
 AATGCTAAACTGGCTGCTGAGGACTTCAGACTGAAGTATGAGACTGAGAGAGGAATACGT
 CTAACAGTGAAGCTGATCTCCAAGGCCTGAATAAGGTCTTTGATGACCTAACCTACAT
 AAAACAGATTTGGAGATCAAATGAAGAACTGAATAAAGACCTAGCTCTCCTCAAAAAG
 GAGCATCAGGAGGAGTGCATGGCCTACACAAGCATCTGGCAACACTGTCAATGTGGAG
 GTTGTGCTGCTCCAGGCCTGAACCTTGGCGTCATCATGAATGAAATGAGGCAGAAGTAT
 GAAGTCATGGCCAGAAGAACCTTCAAGAGGCCAAGAAGCAGTTTGAAGACAGACTGCA
 GTTCTGCAGCAACAGGTACAGTGAATACTGAAGAATTAAGGAACTGAGGTTCAACTA
 ACGGAGCTGAGACGCACCTCCCAGAGCCTTGAGATAGAATCCAGTCCCATCTCAGCATG
 AAAGAGTCTTTGGAGCACACTCTAGAGGAGACCAAGGCCGTTACAGCAGCCAGTTAGCC
 AACCTCCAGTCGCTGTTGAGCTCTCTGGAGGCCAACTGATGCAGATTCGGAGTAACATG
 GAACGCCAGAACAACGAATACCATATCCTTCTTGACATAAAGACTCGACTTGAACAGGAA
 ATTGCTACTTACCGCCCTTCTGGAAGGAGAAGACGTAAGAACTACAGAATATCAGTTA
 AGCACCCTGGAAGAGAGAGATATAAAGAAAACCAGGAAGATTAAGACAGTCGTGCAAGAA
 GTAGTGGATGGCAAGGTGCTGTCATCTGAAGTCAAAGAGGTGGAAGAAAATATCTAAATA
 GCTACCAGAAGGAGATGCTGCTGAGGTTTTGAAAGAAAATTTGGCTATAATCTTATCTTTG
 CTCCTGCAAGAAATCAGCCATAAGAAAGCACTATTAATACTCTGCAAGTATTAGAGGG
 GTGGGGTGGCGGAATCCTATTTATCAGACTCTGTAATTGAATATAAATGTTTTACTCAG
 AGGAGCTGCAAAATGCCTGCAAAAATGAAATCCAGTGAAGCACTAGAATATTTAAAACATC
 ATTACTGCCATCTTTATCATGAAGCACATCAATTACAAGCTGTAGACCACCTAATATCAA
 TTTGTAGTAATGTTCTGAAAATGCAATACATTTCAATTATACTAAACCTCACAAAGT
 AGAGGAATCCATGTAATGCAATAAACCACTTTCTAATTTTTCTGTTTCTGAAAAA
 AA
 AAAAAAAAAAAAAAAAAAAAA

5' Read Nucleotide Sequence: >OriGene 5' read for NM_019010 unedited
 NNCCGTTGGCTTTTGTATACGACTCCTATAGGCGGCCGGAATCCCGGGCTCAACCATC
 CTGAACTACAGGTGCTCCCTCCTGGAATCTCCAATGGATTTTCAGTCGCAGAAGCTTCCAC
 AGAAGCCTGAGCTCCTCCTTGACAGGCCCTGTAGTCAGTACAGTGGGCATGCAGCGCCTC
 GGGACGACACCCAGCGTTTATGGGGTGCTGGAGGCCGGGGCATCCGCATCTCCAATCC
 AGACACACGGTGAAGTATGGGAGCGATCTCACAGGCCGGGGACCTGTTTGTGGCAAT
 GAGAAAATGGCCATGCAGAACCTAAATGACCGTCTAGCGAGCTACCTAGAAAAGTGCAG
 ACCCTGGAGCAGTCCAACCTCAAACCTGAAGTGAATCAAGCAGTGGTACGAAACCAAC
 GCCCGAGGGCTGGTTCGCGACTACAGTGCATATTACAGACAAATGAAGAGCTGCGAAGT
 CAGATTAAGGATGCTCAACTGCAAAATGCTCGGTGTCTCCTGCANATTTGATATGCTAAA
 CTGGCTGTNGAGACTTCAGACTGAAGTATGAGACTGAGAGAAGAATACGTCTAACAGTG
 GAAGCTGATCTNCAAGGCCTTGATTAAGGTCTTGATGACCTAACCTACATAAAACAAGT
 TTGGAGAATCAAATGAAGGAACCTGANTAAAGACCTAACTCTTCTCCAAAAGAGCATCN
 NAGAGAAGTCGATGGGCCTAACCCANGCATCTGGGGCACACTGGTCATGTGGGAAGTTGAT
 GCTTGCTNCAGCCCTGACCTTGGGCGTCTCATGAATGAAATGAGGCCNAAGTTTGGAGT
 CATGGCCANAAGACNNNTCCAGAGCCAAGAAGCAGTTTGAAGACGACTGCAGTTCTGCA
 GCACAGGTACAGTGATACTGAA

Restriction Sites: Please inquire

ACCN:	NM_019010
Insert Size:	1817 bp
OTI Disclaimer:	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
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_019010.1</u> , <u>NP_061883.1</u>
RefSeq Size:	1817 bp
RefSeq ORF:	1275 bp
Locus ID:	54474
UniProt ID:	<u>P35900</u>
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]