

Product datasheet for SC118729

Cytokeratin 19 (KRT19) (NM_002276) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Cytokeratin 19 (KRT19) (NM_002276) Human Untagged Clone
Tag:	Tag Free
Symbol:	Cytokeratin 19
Synonyms:	CK19; K1CS; K19
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC118729 sequence for NM_002276 edited (data generated by NextGen Sequencing)

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ATGACTTCCTACAGCTATCGCCAGTCGTCGGCCACGTCGTCCTTCGGAGGCTGGGGCCG
GGCTCCGTGCGTTTTGGGCCGGGGTTCGCTTTTCGCGCGCCAGCATTACGGGGCTCC
GGCGGCCGCGGCTATCCGTGTCCTCCGCCGCTTTGTGTCTCGTCCTCCTCGGGGGC
TACGGCGCGGCTACGGCGGCTCCTGACCGCTCCGACGGGCTGCTGGCGGCAACGAG
AAGCTAACCATGCAGAACCTCAACGACCGCTGGCCTCCTACCTGGACAAGGTGCGCGCC
CTGGAGGCGGCCAACGGCGAGCTAGAGGTGAAGATCCGCGACTGGTACCAGAAGCAGGGG
CCTGGGCCCTCCCGCGACTACAGCCACTACTACACGACCATCCAGGACCTGCGGGACAAG
ATTCTTGGTGCCACCATTGAGAACTCCAGGATTGTCTGCAGATCGACAACGCCCGTCTG
GCTGCAGATGACTTCCGAACCAAGTTTGAGACGGAACAGGCTCTGCGCATGAGCGTGGAG
GCCGACATCAACGGCCTGCGCAGGGTGGTGGATGAGCTGACCCTGGCCAGGACCGACCTG
GAGATGCAGATCGAAGGCTGAAGGAAGAGCTGGCCTACCTGAAGAAGAACCATGAGGAG
GAAATCAGTACGCTGAGGGGCCAAGTGGGAGGCCAGGTGAGTGTGGAGGTGGATTCCGCT
CCGGGCACCGATCTCGCCAAGATCCTGAGTGACATGCCAAGCCAATATGAGGTGATGGCC
GAGCAGAACCGGAAGGATGCTGAAGCCTGGTTCACCAGCCGACTGAAGAATTGAACCGG
GAGGTGCTGGCCACACGGAGCAGCTCCAGATGAGCAGGTCCGAGGTTACTGACCTGCGG
CGCACCCCTCAGGGTCTTGAGATTGAGCTGCAGTCACAGCTGAGCATGAAAGCTGCCTTG
GAAGACACTGGCAGAAACGGAGCGCGCTTTGGAGCCAGCTGGCGCATATCCAGGGC
CTGATCAGCGGTATTGAAGCCCAGCTGGCGGATGTGCGAGCTGATAGTGAGCGGCAGAAT
CAGGAGTACCAGCGGCTCATGGACATCAAGTCGCGGCTGGAGCAGGAGATTGCCACCTAC
CGCAGCCTGCTCGAGGGACAGGAAGATCACTACAACAATTTGTCTGCCTCCAAGTCTCTC
TGA

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Clone variation with respect to NM_002276.4
90 c=>t;179 c=>g;471 t=>c



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5' Read Nucleotide Sequence:	<p>>OriGene 5' read for NM_002276 unedited GTTCANAATATGTATACGACTCATATAGGCGGCCGCGNAATTCGCACGAGGGCAGCTTCT GAGACCAGGTTGCTCCGTCCGTGCTCCGCCTCGCCATGACTTCCTACAGCTATCGCCAGT CGTCGGCCACGTCGTCTTCGGAGGCCCTGGCGGGCGGCTCCGTGCGTTTTGGCCGGGG TCGTTTTTCGCGCGCCAGCATTACGGGGGCTCCGGCGGCCGCGCGTATCCGTGTCCT CCGCCCCGTTTTGTCTCGTCTCCTCGGGGGGCTACGGCGGGGCTACGGCGGGCTCC TGACCCGTCGACGGGCTGCTGGCGGGCAACGAGAAGCTAACCATGCAGAACCTCAACG ACCGCCTGGCCTCTACCTGGACAAGGTGCGCGCCCTGGAGGCGGCCAACGGCGAGCTAG AGGTGAAGATCCCGACTGGTACCAGAAGCAGGGGCTGGGCCCTCCCGCGACTACAGCC ACTACTACACGACCATCCAGGACCTGCGGGACAAGATTCTTGGTGCCACCATTGAGAACT CCAGGATTGCTCGAGATCGACAACGCCCGTCTGGTGCAGATGACTTCCGAACCAAGT TTGAGACGGAACAGGCTCTGCGCATGAGCGTGGAGGCCGACATCAACGGCCTGCGCAGGG TGCTGGATGAGCTGACCCTGGCCAGGACCGACTGGAGATGCAGATCGAAGGCCTGAAGG AAGAGCTGGCCTACCTGAAGAAGACCATGAGGAGGAAACAGTACGCTGAGGGGCCAAGTG GGAAGCCAGGTCAGTGTGGAGGTGGATTCCGCTCCGGGCACCGATCTCGCCAGATCCTG AGTGACATGCGAAGCCAATATGATGTCATGGCCGAGAAAACCGCAAGATGCTGAAGCCT GGTTCACAGCCGGACTGTAAAATG</p>
3' Read Nucleotide Sequence:	<p>>OriGene 3' read for NM_002276 unedited TGACCGCGGCCGAATCTAGAGTCGAGTTTTTTTTTTTTTTTTTCTTGGACCATAAAT TTTTATTGGCAGGTCAGGAGAAGAGCCGGGGTAAGGGTCCCTTCCATCCCTCTA CCCAGAAGACACCCTCAAAGGACAGCAGAAGCCCGAGAGCTGCTGCCTCAGAGGACCT TGGAGGCAGACAAATTGTTGTAGTGATCTTCTGTCCCTCGAGCAGGCTGCGGTAGGTGG CAATCTCCTGCTCCAGCCGCGACTTGATGTCCATGAGCCGCTGGTACTCCTGATTCTGCC GCTCACTATCAGCTCGCACATCGCCAGCTGGGCTTCAATACCGTGATCAGCGCCTGGA TATGCGCCAGCTGGGCTCCAAAGCGCGCCTCCGTTTCTGCCAGTGTGCTTCCAAGGCAG CTTTATGCTCAGCTGTGACTGCAGCTCAATCTCAAGACCCTGAAGGGTGCGCCGAGGT CAGTAACCTCGGACCTGCTCATCTGGAGCTGCTCCGTGTGGCCAGCGACCTCCCGTTCA ATCTTTCAGTCCGGCTGGTGAACCAGGCTTCCAGATCCTCCGGTTCTGCTCGGCATGA CCTCATATTGGCTTCGCATGTCACTCAGGATCTTGGCGAGATCGGTGCCCGGAGCGGAAA TCACCTCCACACTGACCTGGCCTCCCACTTGGCCCTCAGCGTACTGATTTCTCCTTAT GGTCTTTTTTAGGTAAGCCATCTCTTCTTTAGGGCCTTCGATCTGGATTCTCAGGTTG GGCCCTTGGCAGAGTCTAGTCTATCCACACCCTCGCCACGTCGGTGATGTTCCGCCTCCA CCTTATGCCACAAGACTGTTCTCGTTTAAACTGTGTGCGAAAGTCATTTCCGCCATAACG CGCGTTGCTTCTCCGAAACACCTGTAGCTCTTAGGG</p>
Restriction Sites:	NotI-NotI
ACCN:	NM_002276
Insert Size:	1270 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:

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_002276.3](#), [NP_002267.2](#)

RefSeq Size: 1513 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 envelopes the developing epidermis. The type I cytokeratins are clustered in a region of chromosome 17q12-q21. [provided by RefSeq, Jul 2008]