

Product datasheet for **SC319808**

Cytokeratin 18 (KRT18) (NM_199187) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Cytokeratin 18 (KRT18) (NM_199187) Human Untagged Clone
Tag:	Tag Free
Symbol:	Cytokeratin 18
Synonyms:	CK-18; CYK18; K18
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)

Fully Sequenced ORF: >OriGene sequence for NM_199187.1
CGTCCGAAAGCCTGAGTCTGTCTTTCTCTCTCCCGGACAGCATGAGCTTACCACCT
CGCTCCACCTTCCACCAACTACCGGTCCCTGGGCTCTGTCCAGGCGCCAGCTACGGC
GCCCGGCGGTACGACAGCGCGGCCAGCGTCTATGCAGGCGCTGGGGCTCTGTTCCCGG
ATCTCCGTGTCCCGCTCCACCAGCTTCAGGGGCGGCATGGGGTCCGGGGCTGGCCACC
GGGATAGCCGGGGTCTGGCAGGAATGGGAGGCATCCAGAACGAGAAGGAGACCATGCAA
AGCCTGAACGACCGCCTGGCCTTTACCTGGACAGAGTGAGGAGCCTGGAGACCGAGAAC
CGGAGGCTGGAGAGCAAATCCGGGAGCACTTGGAGAAGAAGGGACCCAGGTCAGAGAC
TGGAGCCATTACTCAAGATCATCGAGGACCTGAGGGCTCAGATCTTCGAAATACTGTG
GACAATGCCCGCATCGTTCTGCAGATTGACAATGCCCGTCTTGCTGCTGATGACTTTAGA
GTCAAGTATGAGACAGAGCTGGCCATGCGCCAGTCTGTGGAGAACGACATCCATGGGCTC
CGCAAGGTCATTGATGACACCAATATCACACGACTGCAGCTGGAGACAGAGATCGAGGCT
CTCAAGGAGGAGCTGCTTTCATGAAGAAGAACCACGAAGAGGAAGTAAAAGGCCTACAA
GCCAGATTGCCAGCTCTGGGTTGACCGTGGAGGTAGATGCCCCAAATCTCAGGACCTC
GCCAAGATCATGGCAGACATCCGGGCCAATATGACGAGCTGGCTCGGAAGAACCAGAG
GAGCTAGACAAGTACTGGTCTCAGCAGATTGAGGAGAGCACACAGTGGTACCACACAG
TCTGCTGAGGTTGGAGCTGCTGAGACGACGCTCACAGAGCTGAGACGTACAGTCCAGTCC
TTGGAGATCGACCTGGACTCCATGAGAAATCTGAAGGCCAGCTTGGAACAGCCTGAGG
GAGGTGGAGGCCCGCTACGCCCTACAGATGGAGCAGCTCAACGGGATCCTGCTGACCTT
GAGTCAGAGCTGGCAGACACCCGGGACAGGGGACAGCGCCAGGCCAGGATATGAGGCC
CTGCTGAACATCAAGGTAAGCTGGAGGCTGAGATCGCCACCTACCGCCGCTGTGGAA
GATGGCGAGGACTTTAATCTTGGTGTGCTTGGACAGCAGCAACTCCATGCAAACCATC
CAAAAGACCACCACCCGGGATAGTGGATGGCAAAGTGGTGTCTGAGACCAATGACACC
AAAGTTCTGAGGCATTAAGCCAGCAGAAGCAGGGTACCCTTTGGGGAGCAGGAGGCCAAT
AAAAAGTTCAGAGTTCATTGGAAA
AAAAAAAAAAAAAAAAAAAAAAAAA



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Restriction Sites:	Please inquire
ACCN:	NM_199187
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).
OTI Annotation:	This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
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_199187.1</u> , <u>NP_954657.1</u>
RefSeq Size:	1439 bp
RefSeq ORF:	1293 bp
Locus ID:	3875
UniProt ID:	<u>P05783</u>
Cytogenetics:	12q13.13
Protein Pathways:	Pathogenic Escherichia coli infection
Gene Summary:	<p>KRT18 encodes the type I intermediate filament chain keratin 18. Keratin 18, together with its filament partner keratin 8, are perhaps the most commonly found members of the intermediate filament gene family. They are expressed in single layer epithelial tissues of the body. Mutations in this gene have been linked to cryptogenic cirrhosis. Two transcript variants encoding the same protein have been found for this gene. [provided by RefSeq, Jul 2008]</p> <p>Transcript Variant: This variant (2) differs in the 5' UTR compared to variant 1. Variants 1 and 2 both encode the same protein.</p>