OriGene Technologies, Inc.
9620 Medical Center Drive, Ste 200
Rockville, MD 20850, US
Phone: +1-888-267-4436
https://www.origene.com
techsupport@origene.com
EU: info-de@origene.com
CN: techsupport@origene.cn

Product datasheet for SC120062

Cytokeratin 18 (KRT18) (NM_000224) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Cytokeratin 18 (KRT18) (NM_000224) Human Untagged Clone
Tag:	Tag Free
Symbol:	Cytokeratin 18
Synonyms:	CK-18; CYK18; K18
Mammalian Cell Selection:	None
Vector:	pCMV6-XL5
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene sequence for NM_000224 edited GAATTCGGCACGAGGGTCGTCCGCAAAGCCTGAGTCCTGTCCTTTCTCTCTCCCCGGACA GCATGAGCTTCACCACTCGCTCCACCTTCTCCACCAACTACCGGTCCCTGGGCTCTGTCC AGGCGCCCAGCTACGGCGCCCGGCCGGTCAGCAGCGCGGCCAGCGTCTATGCAGGCGCTG GGGGCTCTGGTTCCCGGATCTCCGTGTCCCGCTCCACCAGCTTCAGGGGCGGCATGGGGT CCGGGGGCCTGGCCACCGGGATAGCCGGGGGTCTGGCAGGAATGGGAGGCATCCAGAACG AGAAGGAGACCATGCAAAGCCTGAACGACCGCCTGGCCTCTTACCTGGACAGAGTGAGGA GCCTGGAGACCGAGAACCGGAGGCTGGAGAGCAAAATCCGGGAGCACTTGGAGAAGAAGG GACCCCAGGTCAGAGACTGGAGCCATTACTTCAAGATCATCGAGGACCTGAGGGCTCAGA TCTTCGCAAATACTGTGGACAATGCCCGCATCGTTCTGCAGATTGACAATGCCCGTCTTG CTGCTGATGACTTTAGAGTCAAGTATGAGACAGAGCTGGCCATGCGCCAGTCTGTGGAGA ACGACATCCATGGGCTCCGCAAGGTCATTGATGACACCAATATCACACGACTGCAGCTGG AGACAGAGATCGAGGCTCTCAAGGAGGAGCTGCTCTTCATGAAGAAGAACCACGAAGAGG AAGTAAAAGGCCTACAAGCCCAGATTGCCAGCTCTGGGTTGACCGTGGAGGTAGATGCCC CCAAATCTCAGGACCTCGCCAAGATCATGGCAGACATCCGGGCCCAATATGACGAGCTGG CTCGGAAGAACCGAGAGGAGCTAGACAAGTACTGGTCTCAGCAGATTGAGGAGAGCACCA CAGTGGTCACCACACAGTCTGCTGAGGTTGGAGCTGCTGAGACGACGCTCACAGAGCTGA GACGTACAGTCCAGTCCTTGGAGATCGACCTGGACTCCATGAGAAATCTGAAGGCCAGCT TGGAGAACAGCCTGAGGGAGGTGGAGGCCCGCTACGCCCTACAGATGGAGCAGCTCAACG GGATCCTGCTGCACCTTGAGTCAGAGCTGGCACAGACCCGGGCAGAGGGACAGCGCCAGG CCCAGGAGTATGAGGCCCTGCTGAACATCAAGGTCAAGCTGGAGGCTGAGATCGCCACCT ACCGCCGCCTGCTGGAAGATGGCGAGGACTTTAATCTTGGTGATGCCTTGGACAGCAGCA ACTCCATGCAAACCATCCAAAAGACCACCACCCGCCGGATAGTGGATGGCAAAGTGGTGT CTGAGACCAATGACACCAAAGTTCTGAGGCATTAAGCCAGCAGAAGCAGGGTACCCTTTG GGGAGCAGGAGGCCAATAAAAAGTTCAGAGTTCAAAAAAAAAAAAAAAAAAACTCGAC

View online »

5' Read Nucleotide Sequence:

>OriGene 5' read for NM_000224 unedited
ATTTGTAATACGACTTACTATAGGGCGGCCGCGAATTCGGCACGAGGGTCGTCCGCAAAT
CCTGAGTCCTGTCCTTTCTCTCTCCCCGGACAGCATGAGCTTCACCACTCGCTCCACCTT
CTCCACCAACTACCGGTCCCTGGGCTCTGTCCAGGCGCCCAGCTACGGCGCCCGGCCGGT
CAGCAGCGCGGCCAGCGTCTATGCAGGCGCTGGGGGCTCTGGTTCCCGGATCTCCGTGTC
CCGCTCCACCAGCTTCAGGGGCGGCATGGGGTCCGGGGGCCTGGCCACCGGGATAGCCGG
GGGTCTGGCAGGAATGGGAGGCATCCAGAACGAGAAGGAGACCATGCAAAGCCTGAACGA
CCGCCTGGCCTCTTACCTGGACAGAGTGAGGAGCCTGGAGACCGAGAACCGGAGGCTGGA
GAGCAAAATCCGGGAGCACTTGGAGAAGAAGGGACCCCAGGTCAGAGACTGGAGCCATTA
CTTCAAGATCATCGAGGACCTGAGGGCTCAGATCTTCGCAAATACTGTGGACAATGCCCG
CATCGTTCTGCAGATTGACAATGCCCGTCTTGCTGCTGATGACTTTAGAGTCAAGTATGA
GACAGAGCTGGCCATGCGCCAGTCTGTGGAGAACGACATCCATGGGCTCCGCAAGGTCAT
TGATGACACCAATATCACACGACTGCAGCTGGAGACAGAGATCGAGGCTCTCAAGGAGGA
GCTGCTCTTCATGAAGAAGACCACGAAGAGGAAGTAAAAGGCCCTACAGCCCAGNATGCC
AGCTCTGGGGGTGACCGTGGAGGTANATGCCCCCAATCTCAGGACCTCGCCAAGATCATG
CAGACATCCGGCCCTATATGACGAGCTGGCTCGNAAGACCGAGAGGAGCTAGACAGTACT
GGTCTCC

3' Read Nucleotide Sequence:

>OriGene 3' read for NM_000224 unedited
GGCCGCATCTATATCGAGTTTTTTTTTTTTTTTTTGAACTCTGAACTTTTTATTGGCCT
CCTGCTCCCCAAAGGTACCCTGCTTCTGCTGGCTTAATGCCTCAAAACTTTGGTGTCATT
GGTCTCAAACACCACTTTGCCATCCACTATCCGGCGGGTGGTGGTCTTTTGGATGGTTTG
CATGGAGTTGCTGCTGTCCAAGGCATCACCAAGATTAAAGTCCTCGCCATCTTCCAGCAG
GCGGTGGTAGGTGGCGAACTCAGCCTCCAACTTGACCTTGATGTTCAGCAGGGTCTAATA
CTACTGGGCCTGCCGCTGTTCATCTGCCCGGTTCTGTATCATCTCCGACCTCTGGGGCAA
CACGATTCTCCATGTCTCGCTCCCTCGTTAGGACTAGCGGACATCATCTCTCTTCTTCGC
TGCATCTTCCTCCCTACTTCAACTTCAATCACCTCAATATCAATTTTTTTCCTTACTACC
ACTTCATTTACTTTACCTTCATAATTTTCCCTCTTCTTTCCCCTCATCATCCCCTCTTCT
CCCTCTCGCTACTCCCTTAGTCTCTCTCTTCATTCTCACTATTACTTTTCTACCATCTCT
ACCTCCCATCACCATTTTCTCCTTGCATCCTTTCACTTCTTTCCCCCACCCACTTACTCC
TTCTAATCGCACACTTCAACAACCACCCTCCCCCTCCTCCCTCCTCATCTTCCCCTTCCT
CCTACCCTCCCCGTCCTCCTCCCGTCCTCTTTTTGCATATCTTTCTTTCATAACTTTGTC
CCACTACCCCCCCTTCTCTACCCCACTCTTCACCCTCACTTCCACCCTCTCTCAACCCCC
CATCACCCCTGTACTTTCGTCCTAACTCTTGTCGTCAAACTGTTCCTCTCACCTTCGCTC
CTTTATCGCCTCACTTTATT

Restriction Sites: NotI-NotI

ACCN: NM_000224

Insert Size: 1500 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_000224.2, NP_000215.1
RefSeq Size:	1485 bp
RefSeq ORF:	1293 bp
Locus ID:	3875
UniProt ID:	P05783
Cytogenetics:	12q13.13
Domains:	filament
Protein Pathways:	Pathogenic Escherichia coli infection
Gene Summary:	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] Transcript Variant: This variant (1) represents the longer transcript. Variants 1 and 2 both encode the same protein.