

Product datasheet for **SC306786**

Cytokeratin 6C (KRT6C) (NM_173086) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Cytokeratin 6C (KRT6C) (NM_173086) Human Untagged Clone
Tag:	Tag Free
Symbol:	Cytokeratin 6C
Synonyms:	K6E; KRT6E; PPKNEFD
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >SC306786 representing NM_173086.
 Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTGACTG
GATCCGGTACCGAGGAGATCTGCCGCCCGGATCGCC
ATGGCCAGCACATCCACCACCATCAGGAGCCACAGCAGCAGCCCGGGGTTTCAGTGCCAACCTCAGCC
AGGCTCCCTGGGGTCAGCCGCTCTGGCTTCAGCAGCATCTCCGTGTCCCGCTCCAGGGGCAGTGGTGGC
CTGGGTGGTGCATGTGGAGGAGCTGGCTTTGGCAGCCGAGTCTGTATGGCCTGGGGGGCTCCAAGAGG
ATCTCCATTGGAGGGGGCAGCTGTGCCATCAGTGGCGGCTATGGCAGCAGAGCCGGAGGCAGCTATGGC
TTTGGTGGCGCCGGGAGTGGATTTGGTTTCGGTGGTGGAGCCGGCATTGGCTTTGGTCTGGGTGGTGGG
GCCGGCCTTGCTGGTGGCTTTGGGGGCCCTGGCTTCCCTGTGTGCCCCCTGGAGGCATCCAAGAGGTC
ACCGTCAACCAGAGTCTCCTGACTCCCCTCAACCTGCAAATTGACCCCGCCATCCAGCGGTGCGGGCC
GAGGAGCGTGAGCAGATCAAGACCCTCAACAACAAGTTTGCCCTTTCATCGACAAGGTGCGGTTCTTA
GAGCAGCAGAACAAGTTCTGGACCAAGTGGACCCTGCTGCAGGAGCAGGGCACCAGACTGTGAGG
CAGAACCTGGAGCCGTTGTTTCGAGCAGTACATCAACAACCTCAGGAGGCAGCTGGACAGCATCGTCGGG
GAACGGGGCCGCCTGGACTCGGAGCTGAGAAACATGCAGGACCTGGTGGAGGACCTCAAGAACAATAT
GAGGATGAAATCAACAAGCGCACAGCAGAGAGATGAATTTGTGACTCTGAAGAAGGATGTGGATGCT
GCCTACATGAACAAGGTTGAACTGCAAGCCAAGGCAGACACTCTCACAGATGAGATCAACTTCTGAGA
GCCTTGTATGATGCAGAGCTGTCCAGATGCAGACCCACATCTCAGACACATCCGTGGTGCATCCATG
GACAACAACCGCAACCTGGACCTGGACAGCATCATCGTGAGGTCAAGGCCAATACGAGGAGATTGCT
CAGAGGAGCCGGGCTGAGGCTGAGTCTGGTACCAGACCAAGTACGAGGAGCTGCAGGTCACAGCAGGC
AGACATGGGACGACCTGCGCAACCAAGCAGGAGATTGCTGAGATCAACCGCATGATCCAGAGGCTG
AGATCTGAGATCGACCATGTCAAGAAGCAGTGTGCCAGCCTGCAGGCTGCCATTGCTGATGCTGAGCAG
CGTGGGGAGATGGCACTCAAGGATGCTAAGAACAAGCTGGAAGGGCTGGAGGATGCCCTGCAGAAGGCC
AAGCAGGACCTGGCCCGGCTGCTGAAGGAGTACCAGGAGCTGATGAATGTCAAGCTGGCCCTGGATGTG
GAGATCGCCACCTACCGAAGCTGCTGGAGGGCGAGGAGTGCAGGCTGAATGGCGAAGGCCTTGGACAA
GTCAACGTCTCTGTAGTACAGTCCACCATCTCCAGTGGCTATGGCGGTGCCAGCGGTGTCGGCAGTGGC
TTAGGCCCTGGGTGGAGGAAGCAGCTACTCTATGGCAGTGGTCTTGGCATTGGAGGTGGCTTCAGTTCC
AGCAGTGGCAGAGCCATTGGGGTGGCCTCAGCTCTGTTGGAGGGCGCAGTTCACCATCAAGTACACC
ACCACCTCTCTCCAGCAGGAAGAGCTACAAGCATA
ACGGGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGAT
TACAAGGATGACGACGATAAGGTTAAACGGCCGGC
  
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- Restriction Sites:** SgfI-MluI
- ACCN:** NM_173086
- Insert Size:** 1695 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).
- 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:

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_173086.4](#)

RefSeq Size: 2345 bp

RefSeq ORF: 1695 bp

Locus ID: 286887

UniProt ID: [P48668](#)

Cytogenetics: 12q13.13

MW: 60 kDa

Gene Summary: Keratins are intermediate filament proteins responsible for the structural integrity of epithelial cells and are subdivided into epithelial keratins and hair keratins. The type II keratins are clustered in a region of chromosome 12q13. [provided by RefSeq, Jul 2009]