

Product datasheet for **SC306994**

Keratin 77 (KRT77) (NM_175078) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Keratin 77 (KRT77) (NM_175078) Human Untagged Clone
Tag:	Tag Free
Symbol:	Keratin 77
Synonyms:	K1B; KRT1B
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

Fully Sequenced ORF: >SC306994 representing NM_175078.
 Blue=Insert sequence Red=Cloning site Green=Tag(s)

```

GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGAGCCACCAATTTAGTTCTCAGTCCGCGTTTGTTCATGAGCAGGCGGGTTTATAGTACCAGCTCT
TCTGCAGGCTCTGGTGGTGGGAGTCCGGCAGTGGGTTCTGTGTATTGCTCGAGGGAGGTGTGGTGGT
GGTGGATATGGGATCCATGGAAGGGGGTTTGGCTCTAGGAGCCTCTACAATCTGGGTGGCAGTAGAAGC
ATCTCCATTAATCTAATGGGGAGGAGCACCAGTGGTTTCTGCCAGGGTGGGGGAGTAGGGGGATTGGA
GGGGGCAGAGGCTTTGGGGTTGGCAGCACCAGGGCTGGTGGCTTTGGAGGAGGTGGTTTGGGGGTGCT
GGATTTGGGACTAGCAATTTTGGGCTTGGGGGCTTTGGTCCTTATTGTCCTCTGGGGGCATCCAAGAG
GTGACCATTAACCGAGGCTCTAGAGCCACTTCACCTGGAGGTGGACCCTGAAATTCAGAGGATCAAG
ACCCAGGAGCGGGAGCAGATTATGGTTCTCAACAACAAGTTTGCCTCTTCATTGACAAGGTGCGATTTC
CTGGAGCAGCAGAACCGGTGCTACAAACAAAATGGGAGTTGCTGCAGCAGGTGAACACCTCAACTGGA
ACCAACAACCTGGAGCCCTCTTGGAGAACTACATCGGTGACCTGCGGAGGCAGGTGGATTGCTCAGT
GCGGAGCAGATGCGCCAGAACGCGGAGGTGAGGAGCATGCAGGATGTCGTGGAGGACTACAAGAGCAAG
TATGAGGATGAAATCAACAAGAGGACTGGCAGCGAGAATGACTTTGTCTGCTCTGAAGAAGGATGTGGAT
GCTGCTTATGTGAGCAAAGTGGACCTGGAGTCCAGGGTGGACACTCTGACTGGGGAGGTCAATTTCTTG
AAATATTTATTTTGGAGGAGCTGTCTCAGGTGCAGACTCACATCAGCGACCAACGTCATCCTGTCC
ATGGACAATAACCGTTCCCTGGACCTGGACAGCATCATCGATGCAGTGGGACCCAGTATGAAGTGAAT
GCACAGAGGAGCAAGGACGAGGCCGAAGCCCTGTACCAGACCAAGTACCAGGAGCTCCAGATCACGGCA
GGGAGACATGGAGACGACCTGAAGAACAGCAAGATGGAGATTGCAGAGCTCAACCGCACCCTCCAGAGG
CTGCAGGCAGAGATCAGCAACGTGAAGAAGCAGATTGAACAGATGCAGTCACTATTTGGGATGCTGAG
GAGAGAGCGCAGCAGGCCCTCCAGGATGCGTGGCAGAAGCTGCAGGACCTGGAGGAGGCCCTGCAGCAG
TCCAAGGAGGAGCTGGCCCGGCTGCTGCGTGACTACCAGGCCATGCTGGGGGTCAAGCTGTCCCTGGAT
GTGGAGATCGCCACCTACCGCCAGCTGCTGGAGGGCGAGGAGAGCAGGATGTGAGGAGAGCTGCAGAGC
CATGTGAGCATCTCCGTGCAGAACAGCCAGGTGAGCGTCAACGGCGGCGGGAGGCGGCGGCAGCTAC
GGCTCAGGAGGTACGGCGGCGGCAGCGGTGGGGGCTATGGCGGCGGAAGAAGCTACCGCGGAGGCGGG
GCACGAGGCAGGAGTGGAGGCGGTTATGGCAGCGGCTGCGGCGGCGGTGGCGGGAGCTACGAGGGGAGC
GGCAGAAGCGGCCGCGGATCCTCGCGCTGCAGATCATCCAGACCTCCACCAACACCTCCCACAGCGCG
ATCTTGGAGTAG
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
  
```

Restriction Sites: Sgfl-MluI

ACCN: NM_175078

Insert Size: 1737 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_175078.2](#)

RefSeq Size: 3305 bp

RefSeq ORF: 1737 bp

Locus ID: 374454

UniProt ID: [Q7Z794](#)

Cytogenetics: 12q13.13

MW: 61.9 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. This gene encodes an epithelial keratin that is expressed in the skin and eccrine sweat glands. The type II keratins are clustered in a region of chromosome 12q13.[provided by RefSeq, Jun 2009]