

## Product datasheet for **SC307410**

### Keratin 80 (KRT80) (NM\_182507) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Keratin 80 (KRT80) (NM_182507) Human Untagged Clone
Tag:	Tag Free
Symbol:	Keratin 80
Synonyms:	KB20
Mammalian Cell Selection:	None
Vector:	<u><a href="#">pCMV6-XL6</a></u>
E. coli Selection:	Ampicillin (100 ug/mL)



[View online »](#)

**Fully Sequenced ORF:** >OriGene sequence for NM\_182507 edited  
 CCCAGCTGTGACCAGAGCAACCAGAGCCTGCCACCCGACGCAACCCAGGCTCACTCGCT  
 CACCCCTGGGCCCTCTGCTTCCGGCCGGGGCACCATGGCCTGCCGCTCCTGCGTGG  
 TTGGCTTACAGCAGCTCAGCAGCTGTGAGGTGACCCCGTGGGACGCCCCGGCCTGGAA  
 CCTCAGGATGGGACAGCTGCAGGGCCCCGGGCCGGCTTACGCTCCCGCAGCCTCACAG  
 GCTGCTGGTGGCTGGCACTATCTCCAAGTGACTGTGAACCCCGCCTGCTGGTGCCCC  
 TGGATGCAAGTTGGACCCCGCTGTTTACGACAGCTGAAGAACCAGGAGAAGGAGGATGA  
 AGGCCCTCAATGATAAATTTGCCTCCCTAATTGGCAAGGTGCAAGCCCTGGAACAGCGCA  
 ACCAGCTGCTGGAGACACGCTGGAGCTTCTGCAGGGCCAGGACTCAGCCATCTTCGACC  
 TCGGGCATCTCTATGAGGAATATCAGGGCCGGCTGCAGGAGAACTGCGCAAAGTGAGCC  
 AGGAGCGGGGACAGTGGAGGCCAACCTGCTGCAGGTGCTGGAGAAGGTTGAGGAGTTTC  
 GAATCAGGTATGAGGATGAGATCTCCAAGCGCACAGACATGGAGTTCACCTTTGTTGAGC  
 TGAAGAAGGACCTGGATGCAGAGTGTCTTATCGGACTGAACTGGAAACCAAGTAAAAA  
 GCCTGGAGAGCTTCGTGGAGTTGATGAAAACCATCTATGAGCAGGAGCTGAAGGACCTGG  
 CAGCACAGGTGAAGGATGTGTCGGTGACCGTCGGCATGGACAGCCGCTGCCACATCGACC  
 TGAGCGGCATCGTGGAGGAGGTGAAGGCCAGTATGACGCGTCCGGCTCGCAGCCTGG  
 AGGAGGCCGAGGCATACTCTCGGAGCCAGCTGGAGGAGCAGGCCGCCCGCTCGGCCGAGT  
 ATGGGAGCAGCCTCCAGAGCAGCCGACGAGATCGCGGATCTCAATGTGCGCATCCAGA  
 AGCTGCGGTCCCAGATCTCTGTCAAGAGCCATTGCTGAAACTGGAGGAGAACATCA  
 AGACAGCTGAGGAGCAGGGTGAAGTGGCCTTCCAGGATGCCAAGACCAAGCTGGCCACG  
 TGGAGGCCGCCCTGCAGCAGGCCAAGCAGGACATGGCGCGGACAGTGGCAAGTACCAGG  
 AGCTGATGAATGTCAAGTGGCCTGGACATCGAGATCGCCACCTACAGG : AAGCTGGTG  
 GAGGGCGAGGAGGCGAGGATGGACTCGCCCTCAGCCACTGTGGTACAGCGTGTGCACTCC  
 AGGTGCAAAACCCTGCCTCCAGATCAGGCCTCTCCAAGGCCCTCCCGAAAGAAGAAG  
 GGCAGCAAAGGCCCGTATCAAATCACCGAAATGTCAGAGAAGTACTTCTCGCAGGAG  
 TCGGAGGTCTCAGAGTAAGGCGGCTGGACCCAGGAACCCAGGGCACTCCACTGCAGCA  
 GGAGGGACTTAAGCTAGACTCAAGAAAGCAGCTTGGAGCCTCTAGGTTGAGAAGAGAGGC  
 AAAACCTGATATTGAACTGAGAGAGGGTTCAAACCTGACTGTGTTTTGTGGGCTGCCAG  
 GGTGGGAGAGGAGCATCACAGCTCCTCAGAGCCACTCCGCTCCATATCAGTATCTCACA  
 GTCCCATCTTCAACCTTCTGGCCAGAGGTTTTCTGATGGGTGAGTCGGAATTAGGGG  
 TCAGTTTTGTCTCCACCTCCTCGCTCCTCTGAGGCTCCTCCTCCAGCATCAGGCTCTGCC  
 AAGGCCCTCTGACTCTTGCCCAATCCTTGACCTTGACTCCTATCTCAAGCCTTGCCCTTG  
 TCTCTGCCTCGGAACTGGGACTGGGACTGGCTCATCCACCTATGTGCGGGAGCCGAGGAG  
 GACGGCGTGGGCCTGTCTGTATCTGG

**Restriction Sites:** Please inquire

**ACCN:** NM\_182507

**Insert Size:** 2000 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:** The ORF of this clone has been fully sequenced and found to be a perfect match to NM\_182507.1.

**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\\_182507.1](#), [NP\\_872313.1](#)

**RefSeq Size:** 3411 bp

**RefSeq ORF:** 1464 bp

**Locus ID:** 144501

**UniProt ID:** [Q6KB66](#)

**Cytogenetics:** 12q13.13

**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's expression profile shows that it encodes a type II epithelial keratin, although structurally the encoded protein is more like a type II hair keratin. This protein is involved in cell differentiation, localizing near desmosomal plaques in earlier stages of differentiation but then dispersing throughout the cytoplasm in terminally differentiating cells. The type II keratins are clustered in a region of chromosome 12q13. Two transcript variants encoding two different fully functional isoforms have been found for this gene.[provided by RefSeq, Oct 2010]

Transcript Variant: This variant (1) encodes the longer isoform (K80, also known as a).