

## Product datasheet for **SC122721**

### Cytokeratin 16 (KRT16) (NM\_005557) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Cytokeratin 16 (KRT16) (NM_005557) Human Untagged Clone
Tag:	Tag Free
Symbol:	Cytokeratin 16
Synonyms:	CK16; FNEPPK; K1CP; K16; KRT16A; NEPPK; PC1
Mammalian Cell Selection:	None
Vector:	<u><a href="#">pCMV6-XL5</a></u>
E. coli Selection:	Ampicillin (100 ug/mL)



[View online »](#)

**Fully Sequenced ORF:** >OriGene sequence for NM\_005557 edited  
 TTTCTTCTTTACAGCAACTGCTCACTCGCTCACCTCCCTCCTTGGCACCATGACCACCT  
 GCAGCCGCCAGTTCACCTCCTCCAGCTCCATGAAGGGCTCCTGCGGCATCGGAGGCGGCA  
 TCGGGGGCGGCTCCAGCCGCATCTCTCCGTCTGGCCGAGGGTCTGCCGTGCCCCCA  
 GCACCTACGGGGCGGCTGTCTGTCTCCTCTCGTTCTCCTCTGGGGGAGCCTGCGGGG  
 TGGGGGGCGGCTATGGCGGTGGCTTGGTGGCTTCGGTGGTGGCTTGGGTGCTGGCTTTGGT  
 GTGGTTTTGCTGGTGGTATGGGCTTCTGGTGGCAGTGAGAAGGTGACCATGCAGAACC  
 TCAATGACCCGCTGGCCTCCTACCTGGACAAGGTGCGTGTCTGGAGGAGCCAACGCCG  
 ACCTGGAAGTGAAGATCCGTGACTGGTACCAGAGGCAGCGGCCAGTGAGATCAAAGACT  
 ACAGTCCCTACTTCAAGACCATCGAGGACCTGAGGAACAAGATCATTGCGGCCACCATTG  
 AGAATGCGCAGCCATTTTGCAGATTGACAATGCCAGGCTGGCAGCCGATGACTTCAGGA  
 CCAAGTATGAGCATGAACTGGCCCTGCGGCAGACTGTGGAGGCCGACGTCAATGGCCTGC  
 GCCGGTGTGGATGAGCTGACCCTGGCCAGGACTGACCTGGAGATGCAGATCGAAGGCC  
 TGAAGGAGGAGCTGGCCTACCTGAGGAAGAACCACGAGGAGGAGATGCTTGTCTGAGAG  
 GTCAGACCGCGGAGATGTGAACGTGGAGATGGATGCTGCACCTGGCGTGACCTGAGCC  
 GCATCCTGAATGAGATGCGTGACCAAGTACGAGCAGATGGCAGAGAAAAACCCGAGAGACG  
 CTGAGACCTGGTTCTGAGCAAGACCGAGGAGCTGAACAAAGAAGTGGCCTCCAACAGCG  
 AACTGGTACAGAGCAGCCGAGTGGGTGACGGAGCTCCGGAGGGTGTCCAGGGCCTGG  
 AGATTGAGCTGCAGTCCCAGCTCAGCATGAAAGCATCCCTGGAGAACAGCCTGGAGGAGA  
 CCAAAGGCCGCTACTGCATGCAGCTGTCCAGATCCAGGGACTGATTGGCAGTGTGGAGG  
 AGCAGCTGGCCAGCTACGCTGTGAGATGGAGCAGCAGAGCCAGGAGTACCAGATCTTGC  
 TGGATGTGAAGACGCGGCTGGAGCAGGAGATTGCCACCTACCGCCGCTGCTGGAGGCGG  
 AGGATGCCACCTTTCTCCAGCAAGCATCTGGCCAATCCTATTCTTCCGCGAGGTCT  
 TCACTCCTCCTCGTCTCTTCGAGCCGTCAGACCCGGCCATCCTCAAGGAGCAGAGCT  
 CATCCAGCTTCCAGCCAGGCCAGAGCTCCTAGAACTGAGCTGCCTCTACCACAGCCTCCT  
 GCCCACCAGCTGGCCTCACCTCCTGAAGGCCCGGGTCCAGGACCCTGCTCTCCTGGCGCAG  
 TTCCAGCTATCTCCCCTGCTCCTGCTGGTGGTGGGCTAATAAAGCTGACTTTCTGGT  
 TGATGCAA  
 AAAAAAAAAAAAAAAAAAAAAAAAAA

**5' Read Nucleotide Sequence:** >OriGene 5' read for NM\_005557 unedited  
 CCCCCTTCAAATTTGTAATACGACTCATATAGGCGGCCGCGAATTCCTGGATTTCTTCT  
 TTCAGCCAACCTGCTCACTCGCTCACCTCCCTCCTTGGCACCATGACCACCTGCAGCCGCC  
 AGTTACCTCCTCCAGCTCCATGAAGGGCTCCTGCGGCATCGGAGGCGGCATCGGGGGCG  
 GCTCCAGCCGCATCTCTCCGTCTGGCCGAGGGTCTGCCGTGCCCCAGCACCTACG  
 GGGCGGCTGTCTGTCTCCTCTCGCTTCTCCTCTGGGGGAAGCCTGCGGGCTGGGGGG  
 GGCTATGGCGGTGGCTTACGAGCAGCAGCAGCTTTGGTGTGGCTTCCGGGGAGGATAT  
 GGTGGTGGCCTTGGTGTGGCTTCGGTGGTGGCTTGGGTGCTGGCTTTGGTGGTGGTTTT  
 GCTGGTGGTGTGGGCTTCTGGTGGCAGTGAGAAGGTGACCATGCAGAACCTCAATGAC  
 CGCCTGGCCTCCTACCTGGACAAGGTGCGTGTCTGGAGGAGGCCAACGCCGACCTGGAA  
 GTGAAGATCCGTGACTGGTACCAGAAGCAGCGCCAGTGGAGATCAAAGACTACAGTCCC  
 TACTTCAAGACCATCGAGGACCTGAGGAACAAGATCATTGCGGCCACCATTGAGAATGCC  
 CAGCCATTTTGCAGATTGACAATGCCAGGCTGGCAGCCGATGACTTCANGACCAAGTAT  
 GAGCATGAACTGGCCCTGCGGCAGACTGTGGAGGCCGACGTCAATGGCCTGCGCNCGGTG  
 TTGGATGAGCTGACCCTGGGCAAGACTGACCTGGAGATGCAAATCGAAGGCTGAAGAGG  
 AACTGGCTACCTGAGAAGGACCCCGAGNAGGAGATGCTTGTCTGAGAGTCACT

**Restriction Sites:** Please inquire

**ACCN:** NM\_005557

**Insert Size:** 1702 bp

<b>OTI Disclaimer:</b>	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).
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">NM_005557.2</a> , <a href="#">NP_005548.2</a>
<b>RefSeq Size:</b>	1688 bp
<b>RefSeq ORF:</b>	1422 bp
<b>Locus ID:</b>	3868
<b>UniProt ID:</b>	<a href="#">P08779</a>
<b>Cytogenetics:</b>	17q21.2
<b>Gene Summary:</b>	The protein encoded by this gene is a member of the keratin gene family. The keratins are intermediate filament proteins responsible for the structural integrity of epithelial cells and are subdivided into cytokeratins and hair keratins. Most of the type I cytokeratins consist of acidic proteins which are arranged in pairs of heterotypic keratin chains and are clustered in a region of chromosome 17q12-q21. This keratin has been coexpressed with keratin 14 in a number of epithelial tissues, including esophagus, tongue, and hair follicles. Mutations in this gene are associated with type 1 pachyonychia congenita, non-epidermolytic palmoplantar keratoderma and unilateral palmoplantar verrucous nevus. [provided by RefSeq, Jul 2008]