

## Product datasheet for **SC309142**

### **KRT13 (NM\_153490) Human Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	KRT13 (NM_153490) Human Untagged Clone
Tag:	Tag Free
Symbol:	KRT13
Synonyms:	CK13; K13; WSN2
Mammalian Cell Selection:	None
Vector:	<u><a href="#">pCMV6-XL5</a></u>
E. coli Selection:	Ampicillin (100 ug/mL)



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**Fully Sequenced ORF:** >OriGene sequence for NM\_153490 edited  
 CAAGCTTCTATCTGCACCTGCTCTCAATCCTGCTCTCACCATGAGCCTCCGCCTGCAGAG  
 CTCCTCTGCCAGCTATGGAGGTGGTTTCGGGGGTGGCTTTGCCAGCTGGGAGGAGGCCG  
 TGGTGTCTCTACCTGTTCAACTCGGTTTGTGTCTGGGGGATCAGCTGGGGCTATGGAGG  
 CGGCGTAGCTGTGGTTTTGGTGGAGGGGCTGGTAGTGGCTTTGGAGGTGGCTATGGAGG  
 TGGCCTTGGAGGTGGCTATGGAGGTGGCCTTGGAGGTGGCTTTGGTGGGGTTTTGTCTGG  
 TGGCTTTGTGACTTTGGTGCTTGTGATGGCGGCCTCCTCACTGGCAATGAGAAGATCAC  
 CATGCAGAACCTCAACGACCGCCTGGCTTCTACCTGGAGAAGGTGCGGCCCTGGAGGA  
 GGCCAACGCTGACCTGGAGGTGAAGATCCGTGACTGGCACCTGAAGCAGAGCCCAGCTAG  
 CCCTGAGCGGGACTACAGCCCCTACTACAAGACCATTGAAGAGCTCCGGGACAAGATCCT  
 GACCGCCACCATTGAAAACAACCGGTCATCCTGGAGATTGACAATGCCAGGCTGGCTGT  
 GGACGACTTCAGGCTCAAGTATGAGAATGAGCTGGCCCTGCGCCAGAGCGTGGAGCCGA  
 CATCAACGGCCTGCGCCGGGTGCTGGATGAGCTCACTCTGTCTAAGACTGACCTGGAGAT  
 GCAGATCGAGAGCCTGAATGAAGAGCTAGCCTACATGAAGAAGAACCATGAAGAGGAGAT  
 GAAGGAATTTAGCAACCAGGTGGTCCGCCAGGTCAACGTGGAGATGGATGCCACCCAGG  
 CATTGACCTGACCCGCTGCTGGCAGAGATGAGGGAGCAGTACGAGGCCATGGCAGAGAG  
 GAACCGCCGGGATGCTGAGGAATGGTTCCACGCCAAGAGTGCAGAGCTGAACAAGGAGGT  
 GTCTACCAACTGCCATGATTCAGACCAGCAAGACAGAGATCACGGAGCTCAGGCGCAC  
 GCTCCAAGGCCTGGAGATTGAGCTGCAGTCCCAGCTGAGCATGAAAGCGGGGCTGGAGAA  
 CACGGTGGCAGAGACGGAGTGCCGCTATGCCCTGCAGCTGCAGCAGATCCAGGGACTCAT  
 CAGCAGCATCGAGGCCAGCTGAGCGAGCTCCGCAGTGAATGGAGTCCAGAACCAAGA  
 GTACAAGATGCTGCTGGACATCAAGACACGTCTGGAGCAGGAGATCGCCACCTACCGCAG  
 CCTGCTCGAGGGCCAGGACGCCAAGATGATTGGTTTTCCCTCCTCAGCAGGAAGCGTCAG  
 CCCCGTAGCACCTCTGTTACCACGACTTCTAGTGCCTCTGTTACCACCACCTCTAATGC  
 CTCTGGTCGCGCACTTCTGATGTCCTAGGCCTTAAATCTGCCTGGCGTCCCCTCCCTC  
 TGTCTTACGACCCAGAGGAGGAGAGCCGGCAGTTCCTGCAGGAGAGAGGAGGGGCT  
 GCTGGACCAAGGCTCAGTCCCTCTGCTCTCAGGACCCCTGTCTGACTCTCTCCTGAT  
 GGTGGGCCCTCTGTGCTTCTCTCTCTGTCGGATCTCTCTCCTCTCTGACCTGGATACG  
 CTTTGGTTTTCTCAACTTCTTACCCAAAGAAAAGATTATTCAATAAAGTTTCTGCCTT  
 TCTGCAAAAAAAAAAAAAAAAAA

- Restriction Sites:** Please inquire
- ACCN:** NM\_153490
- Insert Size:** 1700 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\_153490.1.
- 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\\_153490.1](#), [NP\\_705694.1](#)

**RefSeq Size:** 1732 bp

**RefSeq ORF:** 1719 bp

**Locus ID:** 3860

**UniProt ID:** [P13646](#)

**Cytogenetics:** 17q21.2

**Gene Summary:** 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. This type I cytokeratin is paired with keratin 4 and expressed in the suprabasal layers of non-cornified stratified epithelia. Mutations in this gene and keratin 4 have been associated with the autosomal dominant disorder White Sponge Nevus. The type I cytokeratins are clustered in a region of chromosome 17q21.2. Alternative splicing of this gene results in multiple transcript variants; however, not all variants have been described. [provided by RefSeq, Jul 2008]  
Transcript Variant: This variant (1) represents the longer transcript and encodes the longer isoform (a).