

## Product datasheet for **SC306992**

### **KRT73 (NM\_175068) Human Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	KRT73 (NM_175068) Human Untagged Clone
Tag:	Tag Free
Symbol:	KRT73
Synonyms:	CK-73; IRT6IRS3; K6IRS3; K73; KRT6IRS3
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**Fully Sequenced ORF:** >SC306992 representing NM\_175068.  
 Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTGCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCCGCATCGCC
ATGAGCCGCCAATTCACCTACAAGTCGGGAGCTGCTGCCAAGGGGGCTTCAGCGGTGCTCCGCTGTG
CTCTCAGGGGGCAGCTCATCTCTACCGAGCAGGGGGCAAAGGGCTCAGTGGAGCTTCAGCAGTCGG
AGCCTTTACAGCCTGGGGGGTCCCGGAGCATCTTTCAATGTGCCAGTGGCAGTGGGTGGCAGGA
GGCTATGGATTTGGCCGGGGCCGGGCCAGTGGCTTTGCTGGCAGCATGTTTGGCAGTGTGCCTTGGGG
TCCGTGTGTCCGTGTTGTGCCCGCCGGGGGTATCCATCAGGTCACCATCAACAAGAGCCTCCTGGCA
CCCCTGAACGTGGAGCTGGACCTGAAATCCAGAAAGTGCCTGCCAGGAGCGGGAGCAGATCAAGGTG
CTGAACAACAAGTTCGCCTCCTTATTGACAAGGTGCGGTTCTGGAGCAGCAGAACCAGGTGCTGGAG
ACCAAGTGGGAGCTGCTACAGCAGCTGGACCTGAACAAGTGAAGAATAACCTGGAGCCCATCTTGAG
GGCTACATCAGCAACCTGCGGAAGCAGCTGGAGACGCTGTCTGGGACAGGGTGGGCTGGACTCGGAG
CTGAGGAGCGTGGCGAAGTGGTGGAGGACTACAAGAAGAGGTATGAAGAAGAAATAACAAGCGCACA
ACTGCTGAGAATGAATTTGTGGTCTTAAGAAGGACGTGGACGCAGCTTACACGAGCAAAGTGGAGCTG
CAGGCCAAGTGGATGCCTGGATGGAGAAATCAAGTTCTTCAAGTGTCTGTACGAGGGGAGACTGCT
CAGATCCAGTCCCACATCAGCGACACGTCCATCATCTGTCCATGGACAACAACCGGAACCTGGACCTG
GACAGCATCATTGCTGAGGTCCGTGCCAGTATGAGGAGATCGCCCGGAAGAGCAAGGCCGAGGCCGAG
GCCCTGTACCAGACCAAGTTCAGGAGCTGCAGCTAGCAGCCGGCCGGCATGGGGATGACCTGAAACAC
ACCAAAAATGAGATCTCAGAGCTGACCCGTCTCATCCAAGACTGCGCTCGGAGATTGAGAGTGTGAAG
AAGCAGTGTGCCAACCTGGAGACGGCCATCGCTGACGCCGAGCAGCGGGGGACTGTGCCCTCAAGGAT
GCCAGGGCCAAGCTGGATGAGCTGGAGGGCGCCCTGCAGCAGGCCAAGGAGGAGCTGGCAGGATGCTG
CGCGAGTACCAAGAGCTTTTGGAGCGTGAAGCTGTCCCTGGATATTGAGATCGCCACCTACCGCAAGCTG
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TCCATGGCCGGGATGGCAGGCACAGGGGCTGGCTTTGGATTAGCAATGCTGGCACCTACGGCTACTGG
CCCAGCTCTGTCAGCGGGGGCTACAGCATGCTGCCTGGGGGCTGTGCTACTGGCAGTGGGAACTGTAGC
CCCCGTGGGGAAGCCAGGACCAGGCTGGGGAGTGAAGTGAATTCAGGGACTCCCAGGGAAGACCTTA
GCTCTAAGCTCACCCACCAAAAAAACCATGAGATAA
ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
  
```

- Restriction Sites:** SgfI-MluI
- Plasmid Map:** □
- ACCN:** NM\_175068
- Insert Size:** 1623 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\\_175068.2](#)

**RefSeq Size:** 2323 bp

**RefSeq ORF:** 1623 bp

**Locus ID:** 319101

**UniProt ID:** [Q86Y46](#)

**Cytogenetics:** 12q13.13

**MW:** 58.9 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 a protein that is expressed in the inner root sheath of hair follicles. The type II keratins are clustered in a region of chromosome 12q13.[provided by RefSeq, Jun 2009]