

## Product datasheet for **RC228937**

### **KRT72 (NM\_001146225) Human Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	KRT72 (NM_001146225) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	KRT72
Synonyms:	CK-72; K6irs; K6IRS2; K72; KRT6; KRT6IRS2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**ORF Nucleotide Sequence:**

>RC228937 representing NM\_001146225  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**GCGATCGCC**

ATGAGCCGCCAACTGACCCATTTCCCCCGGGGAGCGCTGGGTTTCAGCGTTGCTCCGCGGTCTCT  
 CTGGCGGATCGGCAGCAGCTCCGCCTCATTCCGGGCCCGGGTCAAGGGCTCGGCCCTCTTTGGCAGCAA  
 GAGCCTCTCTGCCTTGGGGCAGCCGAAGCTGGCGCTCAGCGCTGCTGCACGGCGGGCGGGCGCCGC  
 CTGGGCGGCTTCGTGGGCACCGCTTCGGCAGCGCCGGCTGGGGCCAAAGTGTCCCTCCGTGTGCCAC  
 CCGGGGCATCCCTCAGGTCAACGCAACAAGAGCCTCCTGGCCCGCTCAACGTGGAGATGGACCCGA  
 GATCCAGAGGGTGCAGCGCCAGGAGCGGGAGCAGATCAAGGCGCTAAACAACAAGTTGCGCTCCTTCATC  
 GACAAGGTGCGGTTCTGGAGCAGCAGAATCAGGTGCTAGAGACCAAGTGAACCTCTACAGCAGCTGG  
 ACTTGAACAACCTGCAGGAAGAACCTGGAGCCATTTATGAGGGCTACATCAGCAACCTGCAGAAGCAGCT  
 GGAGATGCTGTCTGGGGACGGGTGAGGCTGGATTCGGAGCTGAGGAACATGCAGGATTTGGTGGAGGAC  
 TACAAGAAGAGGTATGAGGTGGAGATTAACAGACGCACAGCTGCTGAGAAATGAGTTTGTGGTGTCAAGA  
 AGGACGTGGATGCTGCTTACATGAATAAGTTGAGCTCCAGGCCAAGGTGGACTCCTTGACAGATGAGAT  
 TAAATTCTTCAAGTGCCTTTATGAAGGGGAGATCACTCAGATCCAGTCCCACATCAGCGACACGTCCATC  
 GTCCTGTCAATGGACAACAACCGGGATCTGGACCTGGACAGCATCATTGCCGAGTCCGTGCCAGTACG  
 AGGAGATTGCCCTAAAGAGCAAGGCCGAGGCTGAGACCTGTACCAGACCAAGATCCAGGAGCTGCAGGT  
 CACAGCAGGCCAGCATGGGGATGACCTCAAGCTCACCAAGGCTGAAATCTCTGAGCTCAACCGCCTGATC  
 CAGAGGATCCGCTCAGAGATAGGGAATGTGAAGAAGCAGTGTGCCGATCTGGAGACGGCCATCGCCGACG  
 CTGAACAGCGGGGGGACTGCGCCCTGAAAGATGCCCGGGCCAAGCTGGATGAGCTGGAGGGCGCCGCA  
 CCAGGCCAAGGAGGAGCTGGCACGGATGCTGCGTGAGTACCAGGAGCTCGTGAGCCTGAAGCTGGCCCTG  
 GATATGGAGATCGCCACCTACCGCAAGCTGCTGGAGAGCGAGGAGTGCAGGATGCTGGCAATATCCAA  
 ATTCTGTGAGCATCTCCGTATCAGCAGCACCAATGCTGGGGCAGGAGGGGCTGGCTTACAGATGGGCTT  
 TGGCGCTCAAGCAGTTATAGCTACAAAACCTGCAGCTGCAGACGTCAAGACCAAAGGCAGCTGTGGCAGT  
 GAGCTCAAGGATCCCCTTGCCAAAACCTCGGGGAGCAGCTGTGCCACAAAAGGCTCCAGA

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>RC228937 representing NM\_001146225  
 Red=Cloning site Green=Tags(s)

MSRQLTHFPRGERLGFSGCSAVLSGGIGSSSASFRARVKGSAFSGSKLSLGLGSRSLALSAARRGGGR  
 LGGFVGTAFGSAGLGPKCPSVCPGGIPQVTVNKSLAPLNVEMDPEIQRVRAQEREQIKALNNKFASFI  
 DKVRFLEQQNQVLETKWNLLQQLDLNCRKNLEPIYEGYISNLQKQLEMLSGDGVRLDSELRNMQDLVED  
 YKKRYEVEINRRTAAENEFVVLKDVDAAYMNKVELQAKVDSL TDEIKFFKCLYEGETITQIQSHISDTSI  
 VLSMDNRRDLDLDSIIAEVRAQYEEIALKSKAEETLYQTKIQELQVTAGQHGDLLKTKAEISELNRLI  
 QRIRSEIGNVKKQCADLETAIADAEQRGDCALKDARAKLDELEGALHQAKEELARMLREYQELVSLKLAL  
 DMEIATYRKLLESEECRMSGEYPNSVSVISSTNAGAGGAGFSMGFGASSSYSYKTAADVTKTGSCGS  
 ELKDPLAKTSGSSCATKKASR

**TRTRPLEQKLI**SEEDLAANDILDYKDDDDKV

**Chromatograms:**

[https://cdn.origene.com/chromatograms/mk8018\\_e10.zip](https://cdn.origene.com/chromatograms/mk8018_e10.zip)

**Restriction Sites:**

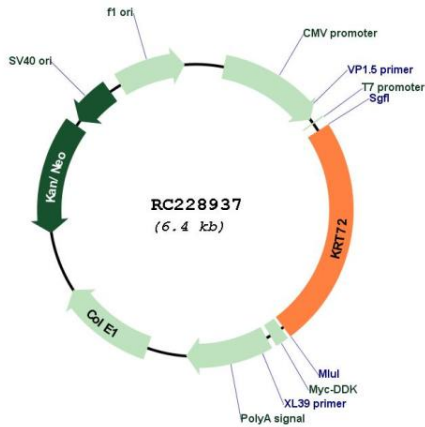
SgfI-MluI



**MW:** 55.9 kDa

**Gene Summary:** Keratins are intermediate filament proteins responsible for the structural integrity of epithelial cells. The type II keratins consist of basic or neutral proteins which are arranged in pairs of heterotypic keratin chains coexpressed during differentiation of simple and stratified epithelial tissues. This gene encodes a type II keratin that is specifically expressed in the inner root sheath of hair follicles. The type II keratins are clustered in a region of chromosome 12q12-q13. Multiple transcript variants encoding different isoforms have been found for this gene.[provided by RefSeq, Jun 2009]

**Product images:**



Circular map for RC228937