

Product datasheet for **SC327572**

KRT72 (NM_001146225) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	KRT72 (NM_001146225) Human Untagged Clone
Tag:	Tag Free
Symbol:	KRT72
Synonyms:	CK-72; K6irs; K6IRS2; K72; KRT6; KRT6IRS2
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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- Fully Sequenced ORF:** >NCBI ORF sequence for NM_001146225, the custom clone sequence may differ by one or more nucleotides
 ATGAGCCGCAACTGACCCATTTCCCCCGCGGGGAGCGCCTGGGCTTCAGCGGTTGCTCC
 GCGGTCTCTCTGGCGGGATCGGCAGCAGCTCCGCCTATTCCGGGCCCGGGTCAAGGGC
 TCGGCCTCCTTTGGCAGCAAGAGCCTCTCTGCCTTGGGGCAGCCGAAGCCTGGCGCTC
 AGCGTCTGCACGGCGGGCGGGCGCCCTGGGCGGCTTCGTGGGCACCGCCTTCGGC
 AGCGCCGGGCTGGGGCCCAAGTGTCCCTCCGTGTGCCACCCGGGGGCATCCCTCAGGTC
 ACCGTCAACAAGAGCCTCCTGGCCCGCTCAACGTGGAGATGGACCCGAGATCCAGAGG
 GTGCGCGCCAGGAGCGGGAGCAGATCAAGGCGCTAAACAACAAGTTCGCCTCCTTCATC
 GACAAGGTGCGGTTCTGGAGCAGCAGAATCAGGTGCTAGAGACCAAGTGAACCTCCTA
 CAGCAGCTGGACTTGAACAACCTGCAGGAAGAACCTGGAGCCATTTATGAGGGTACATC
 AGCAACCTGCAGAAGCAGCTGGAGATGCTGTCTGGGGACGGGGTGAAGGCTGGATTGCGAG
 CTGAGGAACATGCAGGATTTGGTGGAGGACTACAAGAAGAGGTATGAGGTGGAGATTAAC
 AGACGCACAGCTGCTGAGAATGAGTTTGTGGTGTCAAGAAGGACGTGGATGCTGCTTAC
 ATGAATAAGGTTGAGCTCCAGGCCAAGGTGGACTCCTTGACAGATGAGATTAATTCTTC
 AAGTGCCTTTATGAAGGGGAGATCACTCAGATCCAGTCCCACATCAGCGACACGTCCATC
 GTCCTGTCAATGGACAACAACCGGGATCTGGACCTGGACAGCATATTGCCGAGGTCCGT
 GCCAGTACGAGGAGATTGCCCTAAAGAGCAAGGCCGAGGCTGAGACCCTGTACCAGACC
 AAGATCCAGGAGCTGCAGGTACAGCAGGCCAGCATGGGGATGACCTCAAGCTCACCAAG
 GCTGAAATCTCTGAGCTCAACCGCCTGATCCAGAGGATCCGCTCAGAGATAGGGAATGTG
 AAGAAGCAGTGTCCGATCTGGAGACGGCCATCGCCGACGCTGAACAGCGGGGGGACTGC
 GCCCTGAAAGATGCCCGGGCCAAGCTGGATGAGCTGGAGGGCCCTGCACCAGGCCAAG
 GAGGAGCTGGCACGGATGCTGCGTGAGTACCAGGAGCTCGTGAAGCTGAAGCTGGCCCTG
 GATATGGAGATCGCCACCTACCGCAAGCTGCTGGAGAGCGAGGAGTGCAGGATGTCTGGC
 GAATATCCAAATTCTGTGAGCATCTCCGTATCAGCAGCACCAATGCTGGGGCAGGAGGG
 GCTGGCTTCAGCATGGGCTTTGGCGCCTCAAGCAGTTATAGCTACAAAACCTGCAGCTGCA
 GACGTCAAGACCAAGGCAGCTGTGGCAGTGAGCTCAAGGATCCCCTTGCCAAAACCTCG
 GGGAGCAGCTGTGCCACCAAAAAGGCCTCCAGA
- Restriction Sites:** Please inquire
- ACCN:** NM_001146225
- 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_001146225.1](#), [NP_001139697.1](#)

RefSeq Size: 1903 bp

RefSeq ORF: 1536 bp

Locus ID: 140807

UniProt ID: [Q14CN4](#)

Cytogenetics: 12q13.13

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]

Transcript Variant: This variant (2) differs in the 3' UTR compared to variant 1. Both variants 1 and 2 encode the same isoform (1).