

Product datasheet for SC110349

KRT23 (NM_015515) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	KRT23 (NM_015515) Human Untagged Clone
Tag:	Tag Free
Symbol:	KRT23
Synonyms:	CK23; HAIK1; K23
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC110349 sequence for NM_015515 edited (data generated by NextGen Sequencing)

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ATGAACTCCGGACACAGCTTCAGCCAGACCCCCTCGGCCTCCTTCCATGGCGCCGGAGGT
GGCTGGGGCCGGCCAGGAGCTTCCCCAGGGCTCCCACCGTCCATGGCGGTGCGGGGGA
GCCCGCATCTCCCTGTCCTTACCACGCGGAGCTGCCACCCCCTGGAGGCTCTGGGGT
TCTGGAAGAAGCAGCCCCCTACTAGGCGGAAATGGGAAGGCCACCATGCAGAATCTCAAC
GACCGCTGGCCTCCTACCTGGAGAAGGTTGCGCCCTGGAGGAGGCCAACATGAAGCTG
GAAAGCCGCATCCTGAAATGGCACCAGCAGAGAGATCCTGGCAGTAAGAAAGATTATTCC
CAGTATGAGGAAAACATCACACACCTGCAGGAGCAGATAGTGGATGGTAAGATGACCAAT
GCTCAGATTATTCTTCTCATTGACAATGCCAGGATGGCAGTGGATGACTTCAACCTCAAG
TATGAAAATGAACACTCCTTTAAGAAAGACTTGGAAATTGAAGTCGAGGGCCTCCGAAGG
ACCTTAGACAACCTGACCATTGTACAACAGACCTAGAACAGGAGGTGGAAGGAATGAGG
AAAGAGCTCATTCTCATGAAGAAGCACCATGAGCAGGAAATGGAGAAGCATCATGTGCCA
AGTGACTTCAATGTCAATGTGAAGGTGGATACAGGTCCCAGGGAAGATCTGATTAAGGTC
CTGGAGGATATGAGACAAGAATATGAGCTTATAATAAAGAAGAAGCATCGAGACTTGGAC
ACTTGGTATAAAGAACAGTCTGCAGCCATGTCCCAGGAGGCAGCCAGTCCAGCCACTGTG
CAGAGCAGACAAGGTGACATCCACGAATGAAGCGCACATTCCAGGCCCTGGAGATTGAC
CGGTACTCCTGCAAGCTCCAGGACATGCAAGAGATCATCTCCCCTATGAGGAGGAAGT
ACGCAGCTACGCCACGAACTGGAGCGGCAGAACAAATGAATACCAAGTGTCTGGGCATC
AAAACCCACCTGGAGAAGGAAATCACCACGTACCGACGGCTCCTGGAGGGAGAGAGTGAA
GGGACACGGGAAGAATCAAAGTCGAGCATGAAAGTGTCTGCAACTCCAAAGATCAAGGCC
ATAACCCAGGAGACCATCAACGGAAGATTAGTTCTTTGTCAAGTGAATGAAATCCAAAAG
CACGCATGA

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Clone variation with respect to NM_015515.3
907 a=>g;1035 t=>c



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5' Read Nucleotide Sequence:	>OriGene 5' read for NM_015515 unedited TATAGGCGGCCGCGNAATTCGCACGAGGCAGCCGCCGGCCTGGGCAGATCCTCAAGCGTT TGGATGCCTTCTCTAGGTCCTTTAGGAGGTGGTGGAGCAGAGCTCAGCCCCGTCCCAAA CACAGATGGGACCATGAACTCCGGACACAGCTTCAGCCAGACCCCTCGGCCTCCTTCCA TGGCGCCGGAGGTGGCTGGGGCCGGCCAGGAGCTTCCCAGGGCTCCCACCGTCCATGG CGGTGCGGGGGAGCCCCGCATCTCCCTGTCTTACCACGCGGAGCTGCCACCCCTGG AGGGTCTTGGGGTTCTGGAAGAAGCAGCCCCCTACTAGGCGGAAATGGGAAGGCCACCAT GCAGAATCTCAACGACCGCCTGGCCTCTACCTGGAGAAGGTTGCGCCCTGGAGGAGGC CAACATGAAGCTGAAAAGCCGCATCTGAAATGGCACCAGCAGAGAGATCCTGGCAGTAA GAAAGATTATCCAGTATGAGGAAAACATCACACACCTGCAGGAGCAGATAGTGGATGG TAAGATGACCAATGCTCAGATTATTCTTCTCATTGACAATGCCAGGATGGCAGTGGATGA CTTCAACCTCAAGTATGAAAATGAACACTCCTTTTAG
3' Read Nucleotide Sequence:	>OriGene 3' read for NM_015515 unedited CCAGTGGAGCCATTGGGCGATGGTCAACTTCCCAGGTCCAGNAAAGCACTGGGNGAGGT CACAGGGCATGCCACCCGGTATCTGTTACGAAAACAGCTATGACCGCGCCGCAATCT AGAGTCGAGTTTTTTTTTTTTTTTTTGTAGTGCAGGATTTTATTGGCTACAAAATAGA TGCAAAATGATGAGAATCTGAAGGCTGCAGTAGGAAAGTAGAGCTTTACCTCATAAACT CGCACTTTGATTAGAAAAGTGAATATATTAAGAGCATTATGAGAAGTCTGGTGAGACTG TTACAGAAAAAAAATAAAAAGTTTCTGAGTCTGATAATTCCAAGGTATCTTTTAAAAC TCACTCACTGGTGTCTGTGCAAGGACTTTCCTTGGGGGAAAATAGATTTTACAACAGGCG GAAACTTTCATTGGTCTCATGCGTGCTTTTGGATTTTCATTCACTTGACAAAGAACTAATC TTCGGTTGATGGTCTCCTGGGTTATGGCCTTGATCTTTGGAGTTCAGACACTTTCATGC TCGACTTTGATTCTCCCGTGTCCCTTCACTCTCTCCCTCCAAGAGCCGTCGGTACGTGG TGATTTCTTCTCCAGGTGGGTTTTGATGCCCAGCAGCACTTGGTATTATTGTTCTGCC GCTCCAGTTCGTGGCGTAGCTGCGTCAGTTCCTCCTCATAGTGGGAAGATGATCTCTTGC ATGTCCTGGAGCTTGCAAGAGTACCGAGACTGGGTCTCGGAAACATGTTTTCAAAGCAG ATTTCTGTGCTGTACTGTGCTGCAAGTCAATCTCCAGGGCCTGGGATGTGCGCTTCAGTT TCGTGGATGTCACCTTGCTGCTGCTGCACAGTGGCTGAACTGGCTGCCTCCTGGGACATG GCTGCAAACTGT
Restriction Sites:	NotI-NotI
ACCN:	NM_015515
Insert Size:	5000 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).
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:	<ol style="list-style-type: none"> 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_015515.3](#), [NP_056330.3](#)

RefSeq Size: 2163 bp

RefSeq ORF: 1269 bp

Locus ID: 25984

UniProt ID: [Q9C075](#)

Cytogenetics: 17q21.2

Domains: filament

Gene Summary: The protein encoded by this gene is a member of the keratin family. The keratins are intermediate filament proteins responsible for the structural integrity of epithelial cells and are subdivided into cytokeratins and hair keratins. The type I cytokeratins consist of acidic proteins which are arranged in pairs of heterotypic keratin chains. The type I cytokeratin genes are clustered in a region of chromosome 17q12-q21. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Sep 2013]
Transcript Variant: This variant (1) encodes the larger isoform (1). Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.