

Product datasheet for **SC304651**

KRT24 (NM_019016) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	KRT24 (NM_019016) Human Untagged Clone
Tag:	Tag Free
Symbol:	KRT24
Synonyms:	K24; KA24
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene sequence for NM_019016 edited
 CGCCTGGACAAGCTCATGTTTGCAGGAGCACCATGTCTTGCTCGTCTCGCGCCTCCTCCT
 CCAGGGCTGGAGGCAGCAGCTCAGCCAGGGTGTCTGCTGGTGAAGCAGCTTCAGCAGTG
 GAAGCAGATGTGGTCTGGGGGCGAGCTCGGCCAGGGCTTCCGAGGAGGAGCCAGCAGCT
 GCAGCCTGAGTGGGGGTCTAGCGGTGCTTTTGGGGGCGAGCTTTGGAGGGGGCTTTGGTA
 GCTGCTCAGTAGGGGGTGGTTTTGGGGGAGCTTCAGGCTCTGGGACAGGATTTGGTGGGG
 GTTCTAGCTTTGGCGGGTCTCTGGATTTGGCAGGGGTTCTGGATTCTGTGGGAGTTCTA
 GATTACAGCAGTGGTGTCTACTGGAGGCTTCTACAGCTATGGTGGTGGTATGGGAGGTGGTG
 TTGGCGATGGGGGCTTTTCTCTGGAGGGGAAAAGCAAACCATGCAGAACCTCAATGACC
 GCTTGGCCAATTACCTAGACAAGGTGAGAGCCCTGGAGGAGGCTAACACTGATCTGGAGA
 ACAAAATCAAGGAGTGGTATGACAAATATGGGCCTGGGTCTGGAGACGGTGGATCGGGAA
 GAGATTATAGCAAACTATTCAATAATTGAAGATCTCAGAAACCAGATCATTGCTGCCA
 CTGTTGAAATGCTGGGATCATTTTGCACATTGACAATGCCAGATTGGCTGCTGATGACT
 TCAGACTGAAGTATGAGAACGAGCTGTGTCTCCGGCAGAGCGTGGAGGCTGACATCAATG
 GCCTGCGGAAAGTCTGGATGACCTGACTATGACCCGCTCTGACCTGGAGATGCAGATTG
 AGAGTTTACCGAGGAGCTAGCCTACCTGAGGAAGAACCACGAGGAGGAAATGAAGAATA
 TGCAAGGAAGCTCTGGAGGGGAGGTGACCGTAGAAATGAATGCTGCGCCAGGGACCGACC
 TGACCAAACTACTGAATGACATGAGGGCGCAGTACGAGGAGCTGGCTGAGCAAAACCGCC
 GAGAGGCTGAGGAGCGGTTCAACAAGCAGAGCGCATCACTACAAGCACAATCTCCACTG
 ATGCTGGGGCAGCCACTTCTGCCAAGAATGAGATAACAGAACTAAACCGTACCCTGCAAG
 CCCTGGAAATTGAGCTTCAGTCCCAACTGGCCATGAAAAGCTCCCTGGAGGGAACCCTGG
 CTGACACAGAAGCTGGCTACGTGGCTCAGCTGTGAGAAATCAAACGCAGATCAGTGCCC
 TGGAGGAGGAGATCTGCCAGATCTGGGGTGAGACTAAATGCCAGAACGCAGAGTACAAGC
 AATTGCTGGACATCAAGACACGCTGGAGGTGGAGATCGAGACCTACCGCCGCTGCTCG
 ATGGAGAGGGAGGTGGTCTAGTTTTGCAGAAATTTGGTGGTAGAACTCAGGATCTGTAA
 ACATGGGATCCAGGGATCTGGTATCTGGTGACTCAAGATCTGGAAGCTGTTCTGGTCAAG
 GACGAGATTCAAGCAAGACTAGAGTGACTAAGACTATCGTAGAGGAGTTGGTGGATGGCA
 AGGTTGTCTCGTCTCAAGTCAGCAGTATTTCTGAGGTGAAAGTTAAATAAGGAATTCCA
 GATCAACAAAAGTGCTTTCAAGAAAAAATAAAGGAAGACACAAGCGAAGAAATGG
 CA

Restriction Sites: Please inquire

ACCN: NM_019016

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_019016.1.

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_019016.1](#), [NP_061889.1](#)

RefSeq Size: 1898 bp

RefSeq ORF: 1578 bp

Locus ID: 192666

UniProt ID: [Q2M2I5](#)

Cytogenetics: 17q21.2

Gene Summary: This gene encodes a member of the type I (acidic) keratin family, which belongs to the superfamily of intermediate filament (IF) proteins. Keratins are heteropolymeric structural proteins which form the intermediate filament. These filaments, along with actin microfilaments and microtubules, compose the cytoskeleton of epithelial cells. The type I keratin genes are clustered in a region of chromosome 17q12-q21. [provided by RefSeq, Jun 2009]