

Product datasheet for **SC303375**

KRT37 (NM_003770) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	KRT37 (NM_003770) Human Untagged Clone
Tag:	Tag Free
Symbol:	KRT37
Synonyms:	HA7; K37; KRTHA7
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC303375 representing NM_003770. Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTT TAGTGAACCGTCAGAATTTTGT AATACGACTACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCC GCGATCGCC
ATGACCTCCTTCTACAGCACCTCCTCATGCCCTCTGGGTTGCACCATGGCTCCTGGAGCAAGAAATGTC
TTTGTCTCTCCTATCGATGTTGGGTGCCAGCCTGTGGCAGAGGCCAATGCTGCCTCCATGTGCCTTTG
GCCAACTGTCACAGCCAAACAGAGTCCGTGTGGGGTTCGACTCCCCTGGGCGCCCGCCAGCCTCTGTCTG
CCCCAACCGTACACTGCTTGTCCCTTGCCAGGGACCTGTACATTCCCGGCAACATCGGAATCTGT
GGGGCCTACGGCAAAAACACCCTGAATGGCCATGAGAAGGAGACCATGAAGTTCTCGAATGACCGCCTG
GCCAACTACCTGGAGAAGGTGCCAGCTGGAGCAGGAGAATGCAGAGCTGGAGACCACACTCCTCGAG
AGGAGCAAGTGCCACGAGTCCACCGTGTGCCCGACTACCACTCTACTTCCGTACAATCGAGGAGCTC
CAGCAGAAGATCCTGTGCAGCAAGGCTGAGAATGCCAGGCTGATTGTACAAATTGACAACCGGAAGCTG
GCTGCTGATGACTTTAGGATCAAGCTGGAGAGTGAGCGCTCCCTTACCAGCTGGTGGAGGCGGACAAG
TGCGGGACGCAGAAGCTCCTGGATGACGCGACCCTGGCCAAGGCCGACCTGGAGGCCAGCAGGAGTCC
CTGAAGGAGGAGCAGCTCTCCCTCAAGAGCAACCACGAGCAGGAAGTAAAGATTCTGAGGAGTCACTG
GGGAGAAGTTCGGATCGAGCTGGACATTGAGCCCACCTGACCTGAACAGGGTGTGGGGGAGATG
CGGGCTCAGTACGAGGCCATGGTGGAGACCAACCACAGGATGTGAACAGTGGTCCAAGCCCAGTCT
GAAGGCATCAGCCTGCAGGCCATGCTCTGCTCCGAGGAGCTGCAGTCTGCCAGTGGAGATCCTGGAG
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TTGAAGAGCAGTTGTCTGAGATCCGGGCCGACCTGGAGCGGCAGAACAGGAGTACCAGGTGCTGCTG
GACGTGAAGGCCCGTTGGAGAACGAGATTGCCACATACCGAACCTTCTGGAGAGCGAGGACTGCAAA
CTCCCCTGCAATCCCTGTTCCACGCTGCCTCCTGTACTTCTTGTCCAAGCTGTGGCCCTGTACCGGT
GGGTCTCCCTCTGGCCATGGAGCCAGCATGGGGAGATGA
ACGGCTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTAAACGGCCGCGC
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Restriction Sites:	Sgfl-Mlul
ACCN:	NM_003770
Insert Size:	1350 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:	<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:	<u>NM_003770.4</u>
RefSeq Size:	1718 bp
RefSeq ORF:	1350 bp
Locus ID:	8688
UniProt ID:	<u>O76014</u>
Cytogenetics:	17q21.2
MW:	49.7 kDa
Gene Summary:	The protein encoded by this gene is a member of the keratin gene family. As a type I hair keratin, it is an acidic protein which heterodimerizes with type II keratins to form hair and nails. The type I hair keratins are clustered in a region of chromosome 17q12-q21 and have the same direction of transcription. [provided by RefSeq, Jul 2008]