

Product datasheet for **SC300027**

Keratin 12 (KRT12) (NM_000223) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Keratin 12 (KRT12) (NM_000223) Human Untagged Clone
Tag:	Tag Free
Symbol:	KRT12
Synonyms:	K12; MECD1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

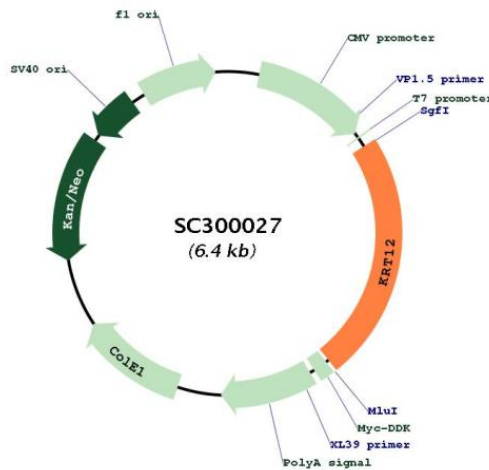
Fully Sequenced ORF: >SC300027 representing NM_000223.
 Blue=Insert sequence Red=Cloning site Green=Tag(s)

```

GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTGACTG
GATCCGGTACCGAGGAGATCTGCCGCCCGCATCGCC
ATGGATCTCTCCAACAACACCATGTCACTCTCAGTGCACCCCCGGACTGTCCCGCGGCTCTCCTCG
CAGAGTGTGATAGGCAGACCCAGGGGCATGTCTGCTCCAGTGTGGAAGTGGTTATGGGGGAAGTGCC
TTTGGCTTTGGAGCCAGCTGTGGGGGAGGCTTTTCTGCTGCTTCCATGTTTGGTTCTAGTCCGGCTTT
GGGGTGGCTCCGGAAGTTCCATGGCAGGAGGACTGGGTGCTGGTTATGGGAGAGCCCTGGTGGAGGT
AGCTTTGGAGGGCTGGGGATGGGATTTGGGGCAGCCAGGAGGTGGCTCTCTAGGTATTCTCTCGGGC
AATGATGGAGGCCTTCTTTCTGGATCAGAAAAAGAACTATGCAAAATCTTAATGATAGATTAGCTTCC
TACCTGGATAAAGTGCAGCTCTAGAAGAGGCTAATACTGAGCTAGAAAAATAAATTCGAGAATGGTAT
GAAACACGAGGAAGTGGGACTGCAGATGCTTACAGAGCGATTACAGCAAATATTATCCACTGATTGAA
GACCTCAGGAATAAGATCATTTCAGCCAGCATTGGAAATGCCAGCTCCTCTTGCAGATTGACAATGCG
AGACTAGCTGCTGAGGACTTCAGGATGAAGTATGAGAATGAACTGGCCCTGCGCCAGGGCGTAGAGGCC
GACATCAATGGCCTGCGCCGGGTGCTGGACGAGCTGACCTGACCAGGACCGACCTGGAGATGCAGATC
GAGAGCCTGAACGAGGAGCTGGCCTACATGAAGAAGAACCACGAGGATGAGCTCCAAGCTTCCGGGTG
GGCGGCCAGGCGAGGTGAGCTAGAAATGGACGCTGCCCGGAGTGGACCTCACCAGGCTCCTCAAT
GATATGCGGGCGCAGTATGAAACCATCGCTGAGCAGAAATCGGAAGGACGCTGAAGCCTGGTTCATTGAA
AAGAGCGGGGAGCTCCGTAAGGAGATTAGCACCAACACCGAGCAGCTTCACTCCAGCAAGAGCGAGGTC
ACCGACCTGCGTCGCGCCTTTGAGAACCTGGAGATCGAGCTACAGTCCAGCTCGCCATGAAGAAATCC
CTGGAGGACTCCTTGGCCGAAGCCGAGGGCGATTACTGCGGCAGCTGTCCAGGTGCAGCAGCTCATC
AGCAACCTGGAGGCACAGCTGCTCCAGGTGCGCGGACGACGAGCGCCAGAACGTGGACCAGCGGG
CTGCTGAATGTCAAGGCCGCTGGAGCTGGAGATTGAGACCTACCGCCGCTGCTGGACGGGGAGGCC
CAAGGTGATGTTTGGAGGAAAGTTTATTTGTGACAGACTCCAAATCACAAAGCACAGTCAACTGATTCC
TCTAAAGACCCAACAAAACCCGAAAAATCAAGACAGTTGTGACGAGATGGTGAATGGTGGAGTGGTC
TCATCTCAAGTTCAGGAAATTGAAGAACTAATGTAA
ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
  
```

Restriction Sites: SgfI-MluI

Plasmid Map:



ACCN: NM_000223

Insert Size:	1485 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_000223.3</u>
RefSeq Size:	1992 bp
RefSeq ORF:	1485 bp
Locus ID:	3859
UniProt ID:	<u>Q99456</u>
Cytogenetics:	17q21.2
MW:	53.5 kDa
Gene Summary:	KRT12 encodes the type I intermediate filament chain keratin 12, expressed in corneal epithelia. Mutations in this gene lead to Meesmann corneal dystrophy. [provided by RefSeq, Jul 2008]