

Product datasheet for **SC305735**

Cytokeratin 3 (KRT3) (NM_057088) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Cytokeratin 3 (KRT3) (NM_057088) Human Untagged Clone
Tag:	Tag Free
Symbol:	KRT3
Synonyms:	CK3; K3; MECD2
Vector:	<u>pCMV6 series</u>



[View online »](#)

Fully Sequenced ORF:	<p>>NCBI ORF sequence for NM_057088, the custom clone sequence may differ by one or more nucleotides</p> <pre> ATGAGCAGACAAGCCAGCAAGACATCTGGTGGCGGGAGCCAGGGTTTCTCCGGCCGCTCT GCTGTGGTCTCCGGCAGCAGCAGGATGAGCTGTGTGGCCCACTCTGGGGGAGCTGGCGGA GGGGCCTATGGCTTCCGGAGCGGAGCAGGTGGCTTTGGCAGTCGCAGCCTCTACAACCTG GGCGCAACAAGAGCATCTCCATCAGCGTGGCAGCTGGCGGCTCCCGGGCTGGAGGCTTT GGGGAGGGCGGAGCAGCTGTGCCTTTGCAGGTGGCTATGGAGGTGGCTTTGGGAGCGGC TATGGAGGTGGCTTTGGTGGTGGCTTTGGTGGTGGCAGAGGAATGGGAGGTGGCTTTGGT GGAGCTGGTGGCTTTGGAGGGGCTGGTGGCTTTGGAGGGGCTGGTGGCTTTGGTGGTCT GGTGGCTTTGGTGGTCTGGTGGCTTTGGTGGGCTGGCAGCTTGGGCAGTCCTGGTGGC TTTGGCCCTGGGGCTTTCTGGGGGAATTCAGGAAGTACTATCAACCAGAGTCTCCTG CAGCCCTCAATGTGGAGATCGACCCCAAGTTGGCAAGTAAAGGCCAGGAGCGGGAA CAGATCAAGACCCTCAACAACAAGTTTGCCTCCTTCAATTGACAAGGTGCGGTTCTGGAG CAACAGAACAAAGTCTGGAGACCAAGTGAACCTGCTCCAGCAGCAGGGCACAAGTTCC ATCTCAGGCACAAACAACCTTGAGCCTCTTTTGAAGAATCACATCAACTACCTGCGGAGC TACCTGGACAACATCCTCGGGGAGAGGGCGCCTGGACTCTGAGCTGAAGAACATGGAG GACCTGGTGAAGACTTCAAGAAGAAATATGAGGATGAAATCAATAAACGTACAGCTGCT GAGAATGAATTTGTGACTCTGAAGAAGGATGTGGACAGTGCCTATATGAACAAGGTGGAG CTTCAGGCCAAAGTGGATGCCTTGATAGATGAGATCGACTTCTTAAGGACCCTCTACGAC GCTGAGCTATCTCAGATGCAGAGCCACATCAGTGACACATCTGTGGTGTGTCCATGGAC AATAATCGCTCCCTGGACCTGGACAGCATATTGCTGAAGTTCGTGCACAGTATGAGGAT ATCGCTCAGAGAAGCAAGGCCGAAGCTGAGGCCCTGTACCAGACCAAGTTGGGGGAGCTG CAGACCAGGCTGGCAGGCATGGGGATGACCTAAGAAATACCAAGAGCGAGATCATAGAG CTCAACAGAAATGATCCAGAGGCTGCGGGCAGAGATCGAGGGTGTCAAGAAGCAGAATGCC AACCTGCAGACGGCCATTGCCGAGGCCAGCAGCATGGAGAGATGGCCCTCAAGGATGCC AATGCCAAGCTCCAAGAGCTGCAGGCTGCTCTACAGCAGGCGAAGGATGACCTGGCGCGG CTGCTACGTGACTACCAGGAGCTGATGAATGTCAAGCTGGCCCTGGACGTGGAGATCGCC ACCTACCGAAGCTGCTGGAGGGCGAGGAGTACAGGATGTCTGGAGAGTGTCCGAGTGT GTCAGCATCTCCGTGGTCAAGCAGCAGCAGACTCCGCCTCCGCAGGTGGCTATGGAGGA GGTTACGGCGGAGGCATGGCGGTGGTTTAGGAGGTGGCTTCAAGTGGGGCGGCGGCTCA GGCAGTGGCTTTGGCCGGGAGGCGGCGGTGGAATCGGCGGTGGATTTGGCGGCGGCAGC AGCGGTTTCAGCGGTGGCAGCGGCTTTGGCTCCATCTCTGGCGCCGCTATGGAGTCAAGT GGCGGGGCTTCAAGTCCGCCAGCAACCGGGGCGGCAGCATCAAGTTCTCCAGTCTCC CAGTCCTCCAGCGCTACTCCAGATAA </pre>
Restriction Sites:	Please inquire
ACCN:	NM_057088
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_057088.1](#), [NP_476429.1](#)

RefSeq Size: 2224 bp

RefSeq ORF: 1890 bp

Locus ID: 3850

UniProt ID: [P12035](#)

Cytogenetics: 12q13.13

Gene Summary: The protein encoded by this gene is a member of the keratin gene family. The type II cytokeratins 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 type II cytokeratin is specifically expressed in the corneal epithelium with family member KRT12 and mutations in these genes have been associated with Meesmann's Corneal Dystrophy. The type II cytokeratins are clustered in a region of chromosome 12q12-q13. [provided by RefSeq, Jul 2008]