

Product datasheet for **SC324177**

Cytokeratin 6B (KRT6B) (NM_005555) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Cytokeratin 6B (KRT6B) (NM_005555) Human Untagged Clone
Tag:	Tag Free
Symbol:	Cytokeratin 6B
Synonyms:	CK-6B; CK6B; K6B; KRTL1; PC2; PC4
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene sequence for NM_005555.3
 CGCCTCCAGCCTCTCACACTCTCCTAAGCCCTCTCATCTCCTGGAACCATGGCCAGCAC
 TCCACCACCATCAGGAGCCACAGCAGCAGCCGCCGGGTTTCAGTGCCAACTCAGCCAGG
 CTCCCTGGGGTCAGCCGCTCTGGCTTACAGCAGCATCTCCGTGTCCCGCTCCAGGGGAGT
 GGTGGCCTGGGTGGCGCATGTGGAGGAGCTGGCTTTGGCAGCCGAGTCTGTATGGCCTG
 GGGGGTCCAAGAGGATCTCCATTGGAGGGGGCAGCTGTGCCATCAGTGGCGGCTATGGC
 AGCAGAGCCGGAGGCAGCTATGGCTTTGGTGGCGCCGGGAGTGGATTTGGTTTCGGTGGT
 GGAGCCGGCATTGGCTTTGGTCTGGGTGGTGGAGCCGGCCTTGCTGGTGGCTTTGGGGC
 CCTGGCTTCCCTGTGTGCCCCCTGGAGGCATCCAAGAGGTCACTGTCAACCAGAGTCTC
 CTGACTCCCTCAACCTGCAAAATTGACCCCGCCATCCAGCGGGTGCGGGCCGAGGAGCGT
 GAGCAGATCAAGACCCTCAACAACAAGTTTGCCTCCTTCATCGACAAGGTGCGGTTCTTA
 GAGCAGCAGAACAAGTTCTGGACACCAAGTGGACCCTGCTGCAGGAGCAGGGCACCAAG
 ACTGTGAGGCAGAACCTGGAGCCGTTGTTGAGCAGTACATCAACAACCTCAGGAGGCAG
 CTGGACAACATCGTGGGGAACGGGTCGTCTGGACTCGGAGCTGAGAAACATGCAGGAC
 CTGGTGGAGGACCTCAAGAACAATATGAGGATGAAATCAACAAGCGCACAGCAGCAGAG
 AATGAATTTGTGACTCTGAAGAAGGATGTGGATGCTGCCTACATGAACAAGGTTGAACTG
 CAAGCCAAGGCAGACACTTTACAGATGAGATCAACTTCCTGAGAGCCTTGATGATGCA
 GAGCTGTCCCAGATGCAGACCCACATCTCAGACACATCCGTGGTGTATCCATGGACAAC
 AACCGCAACCTGGACCTGGACAGCATCATCGTGTAGGTCAAGGCCAATATGAGGAGATT
 GCTCAGAGGAGCAGGGCTGAGGCTGAGTCTGGTACCAGACAAAGTACGAGGAGCTGCAG
 ATCACAGCAGGCAGACATGGGGACGACCTGCGCAACACCAAGCAGGAGATTGCTGAGATC
 AACCGCATGATCCAGAGGCTGAGATCTGAGATCGACCAGTCAAGAAGCAGTGTGCCAAC
 CTACAGCCGCCATTGCTGATGCTGAGCAGCGTGGGGAGATGGCCCTCAAGGATGCTAAG
 AACAAAGCTGGAAGGGCTGGAGGATGCCCTGCAGAAGGCCAAGCAGGACCTGGCCCGGCTG
 CTGAAGGAGTACCAGGAGCTGATGAACGTCAAGCTGGCCCTGGATGTGGAGATCGCCACC
 TACCGCAAGCTGTGGAGGGCGAGGAGTGCAGGCTGAATGGCGAAGGCGTTGGACAAGTC
 AACATCTCTGTAGTGCAGTCCACCGTCTCCAGTGGCTATGGCGGTGCCAGCGGTGTCCGC
 AGTGGCTTAGGCCTGGGTGGAGGAAGCAGCTACTCCTATGGCAGTGGTCTTGGCCTTGG
 GGGGGTCTTAGTCCAGCAGCGGCAGAGCCACTGGGGTGGCCTCAGCTCTGTTGGAGGC
 GGCAGTCCACCATCAAGTACACCACCCTCCTCCTCCAGCAGGAAGAGCTACAAGCAC
 TGAAGTGTGCCCCAGCTCTCAGTCCCACAGCTCTCAGGCCCTCTCTGGCAGCAGAGC
 CCTCTCCTCAGGTTGCTTGTCTCCCTGGCCTCCAGTCTCCCTGCCCTCCCGGTAGA
 GCTGGGATGCCCTCACTTTTCTTCTCATCAATACCTGTTCCACTGAGCTCCTGTTGCTTA
 CCATCAAGTCAACAGTTATCAGCACTCAACATGCGAATGTCTTTTTAGTTCCTGATTA
 TTACAGGTATCTGAGTCTGCCATAATTCTGAGAAGAAAATGACCTATATCCCATAAAGAA
 CTGAAACTCAGTCTAGGTCCAGCTGCAGATGAGGAGTCTCTCTTTAATTGCTAACCATC
 CTGCCATTATAGCTACACTCAGGAGTTCTCATCTGACAAGTCAGTTGTCTGATCTTCT
 CTTGCAGTGTCCCTGAATGGCAAGTGTACCTTCTGATGCAGTCTGCATTCTGCAGT
 GCTTTCTCTGCTCTTTGCCTTCTTTGTTCTGTTGAATAAAGCATATTGAGAATGTGA
 AA

Restriction Sites: ECoRI-NOT

ACCN: NM_005555

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:	NM_005555.3 , NP_005546.2
RefSeq Size:	2331 bp
RefSeq ORF:	1695 bp
Locus ID:	3854
UniProt ID:	P04259
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. As many as six of this type II cytokeratin (KRT6) have been identified; the multiplicity of the genes is attributed to successive gene duplication events. The genes are expressed with family members KRT16 and/or KRT17 in the filiform papillae of the tongue, the stratified epithelial lining of oral mucosa and esophagus, the outer root sheath of hair follicles, and the glandular epithelia. Mutations in these genes have been associated with pachyonychia congenita. The type II cytokeratins are clustered in a region of chromosome 12q12-q13. [provided by RefSeq, Jul 2008]