

Product datasheet for **SC118728**

Cytokeratin 15 (KRT15) (NM_002275) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Cytokeratin 15 (KRT15) (NM_002275) Human Untagged Clone
Tag:	Tag Free
Symbol:	Cytokeratin 15
Synonyms:	CK15; K1CO; K15
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene ORF within SC118728 sequence for NM_002275 edited (data generated by NextGen Sequencing)

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ATGACCACCACATTTCTGCAAACCTCTTCTCCACCTTTGGGGGTGGCTCAACCCGAGGG
GGTTCCCTCCTGGCTGGGGGAGGTGGCTTTGGTGGGGGAGTCTCTCTGGGGGAGGTGGA
AGCCGAAGTATCTCAGCTTCTTCTGCTAGGTTTGTCTCTTCAGGGTCAGGAGGAGGATAT
GGGGGTGGCATGAGGGTCTGTGGCTTTGGTGGAGGGGCTGGTAGTGTTCGGTGGAGGC
TTTGGAGGGGGCGTTGGTGGGGGTTTTGGTGGTGGCTTTGGTGGTGGCGATGGTGGTCTC
CTCTCTGGCAATGAGAAAATTACCATGCAGAACCCTCAATGACCGCTGGCCTCCTACCTG
GACAAGGTACGTGCCCTGGAGGAGGCCAATGCTGACCTGGAGGTGAAGATCCATGACTGG
TACCAGAAGCAGACCCCAGCCAGCCAGAATGCGACTACAGCAAATACTTCAAGANCATT
GAAGAGCTCCGGGACAAGATCATGGCCACCACCATCGACAACCTCCGGGTGATCCTGGAG
ATCGACAATGCCAGGCTGGCTGCGGACGACTTCAGGCTCAAGTATGAGAATGAGCTGGCC
CTGCGCCAGGGCGTTGAGGCTGACATCAACGGCTTGCGCCGAGTCTGGATGAGCTGACC
CTGGCCAGGACTGACCTGGAGATGCAGATCGAGGGCTGAATGAGGAGCTAGCCTACCTG
AAGAAGAACCACGAAGAGGAGATGAAGGAGTTCAGCAGCCAGCTGGCCGGCCAGGTCAAT
GTGGAGATGGACGCAGCACCGGGTGTGGACCTGACCCGTGTGCTGGCAGAGATGAGGGAG
CAGTACGAGGCCATGGCCGAGAAGAACCGCCGGGATGTCGAGGCCCTGGTTCTTCAGCAAG
ACTGAGGAGCTGAACAAAGAGGTGGCCTCCAACACAGAAATGATCCAGACCAGCAAGACG
GAGATCACAGACCTGAGACGCACGATGCAGGAGCTGGAGATCGAGCTGCAGTCCCAGCTC
AGCATGAAAGCTGGGCTGGAGAACTCACTGGCCGAGACAGAGTCCCGCTATGCCACGCAG
CTGCAGCAGATCCAGGGGCTCATTGGTGGCCTGGAGGCCAGCTGAGTGAAGTCCGATGC
GAGATGGAGGCTCAGAACCAGGAGTACAAGATGCTGCTTGACATAAAGACACGGCTGGAG
CAGGAGATCGCTACTTACCGCAGCCTGCTCGAGGGCCAGGATGCCAAGATGGCTGGCATT
GGCATCAGGGAAGCCTTTCAGGAGGTGGTGGTAGCAGCAGCAATTTCCACATCAATGTA
GAAGAGTCAGTGGATGGACAGGTGGTTTCTCCACAAGAGAGAAATCTAA
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Clone variation with respect to NM_002275.3

439 a=>g;476 c=>n

5' Read Nucleotide Sequence:

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>OriGene 5' read for NM_002275 unedited
CACCAGCTTGGGTTTGGCTGAGAACTCACGGGCTCCAGCTACCTGGCCATGACCACCACAT
TTCTGCAAACCTCTTCTCCACCTTTGGGGGTGGCTCAACCCGAGGGGTTCCCTCCTGG
CTGGGGGAGGTGGCTTTGGTGGGGGAGTCTCTCTGGGGGAGGTGGAAGCCGAAGTATCT
CAGCTTCTTCTGCTAGGTTTGTCTCTTCAGGGTCAGGAGGAGGATATGGGGGTGGCATGA
GGGTCTGTGGCTTTGGTGGAGGGGCTGGTAGTGTTCGGTGGAGGCTTTGGAGGGGGCG
TTGGTGGGGGTTTTGGTGGTGGCACGTGGTGGTGGC
```

3' Read Nucleotide Sequence:	>OriGene 3' read for NM_002275 unedited GCCGCGGCCGCAATCTAGAGTCGAGNNNTTTTTTTTTTTTTTTTTTTTTTTTATTTGCAAAGG AAAAGTAATTCCTTATTACATGAACAGACACTGTACAAATGAGCTTGTTACACAATACAG CTGCATCTCCTTGCTCCAAAGAAGGTGGGGAGAGGCAGAGGGGAATAGAGCGCATGCAA AGCCCTGAAATAAAAGACCGAGGGACCCCTTTTCAGCTCTCTGAAGGCAGGGACTGGAGTT TGCATGTGCAGGCCCTCTGGCCAGTCCCTCACTTGGCCTGATGAGAGTGGGGAGTGGCAA GGGACGTTTCTCCTGCAATAGACACTTAGATTTCTCTCTTGTTGGGAAGAAACCACCTGTC CATCCACTGACTCTTCTACATTGATGTGGAAATTGCTGCTGCTACCACCACCTCCTGAAG AGGCTTCCCTGATGCCAATGCCAGCCATCTTGGCATCCTGGCCCTCGAGCAGGCTGCGGT AAGTAGCGATCTCCTGCTCCAGCCGTGCTTTATGTCAAGCAGCATCTTGTACTCCTGGT TCTGAGCCTCCATCTCGCATCGGAGCTCACTCAGCTGGGCCTCCAGGCCACCAATGAGCC CCTGGATCTGCTGCAGCTGCGTGGCATAGCGGCACTCTGTCTCGGCCAGTGAGTTCTCCA GCCCAGCTTTCATGCTGAGCTGGGACTGCAGCTCGATCTCCAGCTCCTGCATCGTGCCTC TCAAGTCTGTGGATCTCGTCTTGTCTGGTCTGGATCATTTCTGGGTTGGAGCCACCTTTT GTTANCTCCTCATTTGCTGAAGAACAAGCCTNGCATCCCGGGCGTTCTTCTCCGCATTG GCTTGTACTGGTCTTCTTTTGGCAGCCACCGGTAAGGTCCCACCCGGGGGCTGGGTCC ATCTCCACATTGACCTGGCGGCCAACTGGTTGNTGAACCTTCTCTTCCCTTTGGGGGGC TTTCTTAAGGGAGGCTAACCCCTTTTAGGGCCTTCAATTCATTTCAAA
Restriction Sites:	NotI-NotI
ACCN:	NM_002275
Insert Size:	1750 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).
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_002275.2</u> , <u>NP_002266.2</u>
RefSeq Size:	1709 bp
RefSeq ORF:	1371 bp
Locus ID:	3866
UniProt ID:	<u>P19012</u>
Cytogenetics:	17q21.2
Domains:	filament

Gene Summary:

The protein encoded by this gene is a member of the keratin gene family. The keratins are intermediate filament proteins responsible for the structural integrity of epithelial cells and are subdivided into cytokeratins and hair keratins. Most of the type I cytokeratins consist of acidic proteins which are arranged in pairs of heterotypic keratin chains and are clustered in a region on chromosome 17q21.2. [provided by RefSeq, Jul 2008]