

Product datasheet for **SC332336**

Cytokeratin 8 (KRT8) (NM_001256293) Human Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Cytokeratin 8 (KRT8) (NM_001256293) Human Untagged Clone
Tag: Tag Free
Symbol: Cytokeratin 8
Synonyms: CARD2; CK-8; CK8; CYK8; K2C8; K8; KO
Vector: pCMV6-Entry (PS100001)
Fully Sequenced ORF: >SC332336 representing NM_001256293.
 Blue=Insert sequence Red=Cloning site Green=Tag(s)

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ATGTCCATCAGGGTGACCCAGAAGTCTACAAGGTGTCCACCTCTGGCCCCGGGCTTCAGCAGCCGC
TCCTACACGAGTGGGCCCGTTCCCGCATCAGCTCCTCGAGCTTCTCCGAGTGGGCAGCAGCACTTT
CGCGGTGGCCTGGGCGGGCTATGGTGGGGCCAGCGGCATGGGAGGCATCACCGCAGTTACGGTCAAC
CAGAGCCTGCTGAGCCCCCTTGTCTGGAGGTGGACCCCAACATCCAGGCCGTGCGCACCCAGGAGAAG
GAGCAGATCAAGACCCTCAACAACAAGTTGCCTCCTTATAGACAAGGTACGGTTCCTGGAGCAGCAG
AACAAAGTGTGGAGACCAAGTGGAGCCTCCTGCAGCAGCAGAAGACGGCTCGAAGCAACATGGACAAC
ATGTTTCGAGAGCTACATCAACAACCTTAGCGCGCAGCTGGAGACTCTGGGCCAGGAGAAGCTGAAGCTG
GAGGCGGAGCTTGGCAACATGCAGGGGCTGGTGGAGGACTTCAAGAACAAGTATGAGGATGAGATCAAT
AAGCGTACAGAGATGGAGAACGAATTTGTCTCATCAAGAAGGATGTGGATGAAGCTTACATGAACAAG
GTAGAGCTGGAGTCTCGCCTGGAAGGGCTGACCGACGAGATCAACTTCTCAGGCAGCTATATGAAGAG
GAGATCCGGGAGCTGCAGTCCCAGATCTCGGACACATCTGTGGTGTCTGCCATGGACAACAGCCGCTCC
CTGGACATGGACAGCATCATTGCTGAGGTCAAGGCACAGTACGAGGATATTGCCAACCGCAGCCGGGCT
GAGGCTGAGAGCATGTACCAGATCAAGTATGAGGAGCTGCAGAGCCTGGCTGGGAAGCACGGGGATGAC
CTGCGGGCACAAGACTGAGATCTCTGAGATGAACCGAACATCAGCCGGCTCCAGGCTGAGATTGAG
GGCCTCAAAGGCCAGAGGGCTTCCCTGGAGGCCGCAATTGCAGATGCCGAGCAGCGTGGAGAGCTGGCC
ATTAAGGATGCCAACGCCAAGTTGTCCGAGCTGGAGGCCGCCCTGCAGCGGGCCAAGCAGGACATGGCG
CGGCAGCTGCGTGAGTACCAGGAGCTGATGAACGTCAAGCTGGCCCTGGACATCGAGATCGCCACCTAC
AGGAAGCTGTGGAGGGCGAGGAGCCGGCTGGAGTCTGGGATGCAGAACATGAGTATTCATACGAAG
ACCACCAGCGCTATGCAGGTGGTCTGAGCTCGGCCTATGGGGCCCTCACAAGCCCCGGCCTCAGCTAC
AGCCTGGGCTCCAGCTTTGGCTCTGGCGCGGGCTCCAGCTCCTCAGCCGCACCAGCTCCTCCAGGGCC
GTGGTTGTGAAGAAGATCGAGACACGTGATGGGAAGCTGGTGTCTGAGTCTCTGACGTCTGCCAAG
TGA
  
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Restriction Sites: SgfI-MluI
ACCN: NM_001256293
Insert Size: 1452 bp



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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:	NM_001256293.1
RefSeq Size:	1901 bp
RefSeq ORF:	1452 bp
Locus ID:	3856
UniProt ID:	P05787
Cytogenetics:	12q13.13
Protein Families:	Druggable Genome
MW:	53.7 kDa
Gene Summary:	<p>This gene is a member of the type II keratin family clustered on the long arm of chromosome 12. Type I and type II keratins heteropolymerize to form intermediate-sized filaments in the cytoplasm of epithelial cells. The product of this gene typically dimerizes with keratin 18 to form an intermediate filament in simple single-layered epithelial cells. This protein plays a role in maintaining cellular structural integrity and also functions in signal transduction and cellular differentiation. Mutations in this gene cause cryptogenic cirrhosis. Alternatively spliced transcript variants have been found for this gene. [provided by RefSeq, Jan 2012]</p> <p>Transcript Variant: This variant (3) has an alternate 5' exon, which results in a downstream AUG start codon, compared to variant 1. The encoded isoform (2) has a shorter N-terminus, compared to isoform 1. Variants 2 and 3 encode the same isoform 2.</p>