

Product datasheet for **SC123983**

Kallikrein 14 (KLK14) (NM_022046) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Kallikrein 14 (KLK14) (NM_022046) Human Untagged Clone
Tag:	Tag Free
Symbol:	Kallikrein 14
Synonyms:	KLK-L6
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC123983 sequence for NM_022046 edited (data generated by NextGen Sequencing)

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ATGTCCCTGAGGGTCTTGGGCTCTGGGACCTGGCCCTCAGCCCCTAAAATGTTCCCTCCTG
CTGACAGCACTTCAAGTCTGGCTATAGCCATGACACAGAGCCAAGAGGATGAGAACAAG
ATAATTGGTGGCCATACGTGCACCCGGAGCTCCCAGCCGTGGCAGGCGGCCCTGCTGGCG
GGTCCCAGGCGCCGCTTCTCTGCGGAGGCGCCCTGCTTTCAGGCCAGTGGGTCATCACT
GCTGCTCACTGCGGCCGCCGATCCTTCAGGTTGCCCTGGGCAAGCACAACTGAGGAGG
TGGGAGGCCACCCAGCAGGTGCTGCGCGTGGTTCGTGAGGTGACGCACCCCAACTACAAC
TCCCGGACCCACGACAACGACCTCATGCTGCTGCAGCTACAGCAGCCCGACGGATCGGG
AGGGCAGTCAGGCCATTGAGGTCACCCAGGCCTGTGCCAGCCCGGGACCTCCTGCCGA
GTGTCAGGCTGGGGAATATATCCAGCCCCATCGCCAGGTACCCCGCCTCTCTGCAATGC
GTGAACATCAACATCTCCCCGATGAGGTGTGCCAGAAGGCCTATCCTAGAACCATCACG
CCTGGCATGGTCTGTGCAGGAGTCCCCAGGGCGGGAAGGACTCTTGTCAGGGTGACTCT
GGGGGACCCCTGGTGTGCAGAGGACAGCTCCAGGGCCTCGTGTCTTGGGGAATGGAGCGC
TGCGCCCTGCCTGGCTACCCCGGTGTCTACACCAACCTGTGCAAGTACAGAAGCTGGATT
GAGGAAACGATGCGGGACAAATGA
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Clone variation with respect to NM_022046.4



[View online »](#)

5' Read Nucleotide Sequence:

>OriGene 5' read for NM_022046 unedited
 CAGATTTTGTATACGACTCACTATAGGGCGGCNCGCAATTCGCACGAGCTCCTTCCTTC
 ATCAAGACATCAAGGAGGGACCTGTGCCCTGCTCCACATCCTCCCACCTGCCGCCCGCAG
 AGCCTGCAGGCCCCGCCCCCTCGTCTCTGGTCCCTACCTCTCTGCTGTGTCTTCATGTC
 CCTGAGGGTCTTGGGCTCTGGGACCTGGCCCTCAGCCCCATAAATGTTCTCCTGCTGAC
 AGCACTTCAAGTCTGGCTATAGCCATGACACAGAGCCAAGAGGATGAGAACAAGATAAT
 TGGTGGCATAACGTGCACCCGGAGCTCCAGCCGTGGCAGGCGGCCCTGCTGGCGGGTCC
 CAGGCGCCGCTTCTCTGCGGAGGCGCCCTGCTTTCAGGCCAGTGGGTCACTACTGCTGC
 TCACTGCGGCCGCCGATCCTTCANGTTGCCCTGGGCAAGCACAACTGAGGAGGTGGGA
 GGCCACCCAGCAGGTGCTGCGCGTGGTTCGTCAGGTGACGCACCCCAACTACAACCTCCG
 GACCCACGACAACGACCTCATGTGCTGCAGTTCGCGAGCCCGCACGGATCAGGAGGGCA
 GTCAGGCCATTGAAGTCAACCCAGCCTGTGCCAGCCCCGGGACCTCCTGCCAAGTGAA
 GCTGGAACTATTTCCAGCCCCATTGCCAGTACCCCGCCTCTCTGCATGCCGGAACCTTA
 ACATCTCCCCGAATGAAGGTGCCATAAGGCCTATTCTAGAACATAACGCCTGGCATGGT
 TCTTGGCAGAAGATCCCCCGGGCCGAAAGAAGTCTTTTCCAGGGGACCTTGGGGGAAC
 CCCGGTTGGCCAAGGAAAACCCCGGGCCCTTCTCATTGGGAAATGGACCCTTCCCCAC
 CCTGTCATCCCAGGTGTACCCCAACTCGGCCAAATCAAAAACG

3' Read Nucleotide Sequence:

>OriGene 3' read for NM_022046 unedited
 TGGGTGGTTNNNTTTGCTGGGTGGCACTTCCAGGCCAGGAGGCACTGGGGAGGGGT
 CACAGGGATGCCACCCGGGATCTGTTCCAGGAAACAGCTATGACCGCGCCGCAATCTAGA
 GTCGAGTTTTTTTTTTTTTTTTTTTTTCCATTTTTATTGTCATTATTTATTTCGGTTTT
 TAGAGACTAAGCGTGTAAAAATTGTCGTCTTTGGAATACAATGCCGTTTAAGGGGT
 CTGTGCTCCTGCCTCTGTGCCTCCGGTCTTGTAGTGTGATGGTGACACAGCAAGGGTGG
 GGGCTTGGTGGGAGAAAACGCCTGAAGCAACTGCTCTGGGAAAGGAGAGATCAGAGCCG
 GAGTAAAGATCAGGATGCTGGGACTGGGGCTCCTGTGGGTTGAGGAGGAGGGGCTGGGC
 CTGGACTCCTGGGTCTAAGGAGGAGGGGCTGGGGGACTGGGGCTCCTGGGGTTGGGGAGG
 AGGGGCTGGGCCCTGGATTCTGGGGCTGGGGAGGAGGGGCTGGGGGCTGGACTCCTGGG
 CTGAGGGAGGAGGACTGGGGCCCGACTTCTTGGTTTGGGGAGGAGGGGCTGGGGGCC
 TGGACTCCCGTCTGAAGGGGAGGGGCTGGGCTCGGACTCTTGGGTCTTGGGGGAAGGG
 GTTTGGTCTGCCTTCTGTTTCATATTGAGAGTGTCTTGGTGTGAACTCTTCGTCATAG
 CCAACGTACTTCAAGGATCAATTTTTCTGATTTTCGTAACCAAGTGGAGGAGAGGT

Restriction Sites:

Please inquire

ACCN:

NM_022046

Insert Size:

1500 bp

OTI Disclaimer:

Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.

The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

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_022046.3, NP_071329.1</u>
RefSeq Size:	1459 bp
RefSeq ORF:	756 bp
Locus ID:	43847
UniProt ID:	<u>Q9P0G3</u>
Cytogenetics:	19q13.41
Protein Families:	Druggable Genome, Protease, Secreted Protein
Gene Summary:	<p>This gene encodes a member of the kallikrein subfamily of serine proteases that have diverse physiological functions such as regulation of blood pressure and desquamation. The altered expression of this gene is implicated in the progression of different cancers including breast and prostate tumors. The encoded protein is a precursor that is proteolytically processed to generate the functional enzyme. This gene is one of the fifteen kallikrein subfamily members located in a cluster on chromosome 19. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Jul 2015]</p> <p>Transcript Variant: This variant (2) differs in the 3' UTR compared to variant 1. Variants 1-3 all encode the same protein.</p>