

Product datasheet for **SC123732**

Kallikrein 5 (KLK5) (NM_012427) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Kallikrein 5 (KLK5) (NM_012427) Human Untagged Clone
Tag:	Tag Free
Symbol:	Kallikrein 5
Synonyms:	KLK-L2; KLKL2; SCTE
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)

Fully Sequenced ORF: >OriGene sequence for NM_012427 edited
 GGAAGGCACAGGCTGAGAAGTCTGCGGCTGAGCTGGGAGCAAATCCCCACCCCTACC
 TGGGGGACAGGGCAAGTGAACCTGGTGAAGGTGGCTCAGCAGGAAGGAAGGAGAGGTGT
 CTGTGCGTCTGCACCCACATCTTTCTCTGTCCCCTCCTTGCCCTGTCTGGAGGCTGCTA
 GACTCCTATCTTCTGAATTCTATAGTGCCTGGGTCTCAGCGCAGTGCCGATGGTGGCCCG
 TCCTTGTGGTTCCTCTACTTGGGAAATCAGGTGCAGCGGCCATGGCTACAGCAAGAC
 CCCCCTGGATGTGGGTGCTCTGTGCTCTGATCACAGCCTTGCTTCTGGGGTACAGAGC
 ATGTTCTCGCAACAATGATGTTTCTGTGACCACCCCTCTAACACCGTGCCCTCTGGGA
 GCAACCAGGACCTGGGAGCTGGGCGGGGAAGACGCCCGGTGGATGACAGCAGCAGCC
 GCATCATCAATGGATCCGACTGCGATATGCACACCCAGCCGTGGCAGGCCGCGCTGTTGC
 TAAGGCCCAACCAGCTCTACTGCGGGGCGGTGTTGGTGCATCCACAGTGGCTGCTCACGG
 CCGCCACTGCAGGAAGAAAGTTTTAGAGTCCGTCTCGGCCACTACTCCCTGTACCAG
 TTTATGAATCTGGGCAGCAGATGTTCCAGGGGGTCAAATCCATCCCCACCCCTGGCTACT
 CCCACCCCTGGCCACTCTAACGACCTCATGCTCATCAAACCTGAACAGAAGAATTCGCCCCA
 CTAAGAATGTCAGACCCATCAACGTCTCCTCTCATTGTCCCTCTGCTGGGACAAAGTGT
 TGGTGTCTGGCTGGGGACAACCAAGAGCCCCAAGTGCACCTCCCTAAGGTCTCCAGT
 GCTTGAATATCAGCGTGCTAAGTCAGAAAAGGTGCGAGGATGCTTACCCGAGACAGATAG
 ATGACACCATGTTCTGCGCCGGTGACAAAGCAGGTAGAGACTCCTGCCAGGGTATTCTG
 GGGGGCCTGTGGTCTGCAATGGTCCCTGCAGGGACTCGTGTCTGGGGAGATTACCCCT
 GTGCCCGGCCCAACAGACCGGGTGTCTACACGAACCTCTGCAAGTTCACCAAGTGGATCC
 AGGAAACCATCCAGGCCAACTCCTGAGTATCCCAGGACTCAGCACACCGGCATCCCCAC
 CTGCTGCAGGGACAGCCCTGACACTCCTTTAGACCCCTATTCTTCCCAGAGATGTTGA
 GAATGTTCTCTCCAGCCCCTGACCCCATGTCTCCTGGACTCAGGGTCTGCTTCCCCC
 ACATTGGGCTGACCGTGTCTCTAGTTGAACCCCTGGGAACAATTTCCAAAACCTGTCAG
 GGCGGGGTTGCGTCTCAATCTCCCTGGGGCACTTTCATCCTCAAGCTCAGGGCCCATCC
 CTTCTCTGCAGCTCTGACCCAAATTTAGTCCCAGAAATAAACTGAGAAGTGGAAAAAAA
 AAAAAAAAAAAAAAAAAAAAAAAAAA



[View online »](#)

5' Read Nucleotide Sequence:

>OriGene 5' read for NM_012427 unedited
 GTTAGGTTTTGTAACCGACTTACTATAGNNGCGGACGCGCAATTCTATAGTGCCTGGGT
 CTCAGCGCAGTGCCGATGGTGGCCCGTCTTGTGGTTCCTCTCTACTTGGGGAAATCAGG
 TGCAGCGGCCATGGCTACAGCAAGACCCCCCTGGATGTGGGTGCTCTGTGCTCTGATCAC
 AGCCTTGCTTCTGGGGTACAGAGCATGTTCTCGCCAACAATGATGTTTCTGTGACCA
 CCCCTCTAACACCGTGCCTCTGGGAGCAACCAGACCTGGGAGCTGGGGCCGGGAAGA
 CGCCCGTGGATGACAGCAGCAGCCGCATCATCAATGGATCCGACTCGGATATGCACAC
 CCAGCCGTGGCAGCGCGTGTGCTAAGGCCCAACCAGCTCTACTGCGGGCGGTGTT
 GGTGCATCCACAGTGGCTGCTCACGGCCGCCACTGCAGGAAGAAAGTTTTTCAGAGTCCG
 TCTCGGCCACTACTCCCTGTACCAGTTTATGAATCTGGGCAGCAGATGTTCCAGGGGT
 CAAATCCATCCCCACCCTGGCTACTCCCACCCTGGCCACTCTAACGACCTCATGCTCAT
 CAAACTGAACAGAAGAATTGCTCCCACTAAAGATGTCAGACCCATCAACGTCTCTCTCA
 TTGTCCCTCTGTGGACAAAGTCTTGGTGTCTGGCTGGGGACAACCAAGAGCCCCCA
 AGTGCACCTCCCTAANGTCTCCAGTGTGAATATCAGCGTGTAAAGTCAAGAAAGTGC
 GAGGATGCTTACCCGAGACAGATAGATGACACCATGTTCTGCGCCGGTGACAAAGCANGT
 AGAGACTCCTGCCACGGTATTCTGNGGGCCCTGTGGTCTGCAATGCCTCCCTGCAGGG
 ACTCGTGTCTGGGGAGATACCCCTGTGCCCG

3' Read Nucleotide Sequence:

>OriGene 3' read for NM_012427 unedited
 AACTTTGGNACCGCGCCGAATCTAGAGTCGAGTTTTTTTTTTTTTTTTTTTTTTTTTTTT
 TTTTTTTTTTCACTTCTCAGTTTATTTCTGGGACTAAATTTGGGTCAAAGCTGCAAAGAA
 GGGATGGGCCCTGAGCTTGAAGTGAAAGTGCCCGAGGAGATTGAGACGCAACCCCGC
 CCTGGACAGTTTTGAAATTTGTTCCAGGTTCAACTAGAGAGACACGGTCAGCCCAATG
 TGGGGGAAGCAGACCCTGAGTCCAGGAAACATGGGGTCAGGGGCTGGAGAGATGAACATT
 CTCAACATCTCTGGGAAGGAATGAGGGTCTGAAAGGAGTGTGAGGGCTGTCCCTGCAGCA
 GGTGGGGATGCCGGTGTGCTGAGTCTGGGATGACTCAGGAGTTGGCCTGGATGGTTTCC
 TGGATCCACTTGGTGAATTGCAGAGTTCTGTGTAGACACCCGGTCTGTTGGGCCGGCA
 CAAGGGTAATCTCCCAGGACACGAGTCCCTGCAGGGAGCCATTGCAGACCACAGGCCCC
 CCCAGATACCCTGGCAGGAGTCTCTACCTGCTTGTACCCGGCAGACATGGTGTCA
 TCTATCTGTCTCGGTAAGCATCTCGCACTTTTCTGACTTAGCACGCTGATATTCAAG
 CACTGGAGGACCTTNAGGAAGTGCACCTTGGGGCTCTTGGTTGTCCCAGCCAGACACCA
 AGCACTTTGTCCCAGCAGAGGGAACATGAGAGGAGACTTTGATGGGTCTGACATCTTTAG
 TGGGACGAATTCCTCTGTTTCAGTTTGTGAGCATGAAAGTCTTAGAGTGGCCAGGGGGG
 AGTAGCCAGTGGGGATTGGATTTGACCCCTGGAACATTTGCTGCCAGATTGATA

Restriction Sites:

Please inquire

ACCN:

NM_012427

Insert Size:

1536 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_012427.3, NP_036559.1</u>
RefSeq Size:	1528 bp
RefSeq ORF:	882 bp
Locus ID:	25818
UniProt ID:	<u>Q9Y337</u>
Cytogenetics:	19q13.41
Protein Families:	Druggable Genome, Protease, Secreted Protein, Transmembrane
Gene Summary:	<p>Kallikreins are a subgroup of serine proteases having diverse physiological functions. Growing evidence suggests that many kallikreins are implicated in carcinogenesis and some have potential as novel cancer and other disease biomarkers. This gene is one of the fifteen kallikrein subfamily members located in a cluster on chromosome 19. Its expression is up-regulated by estrogens and progestins. The encoded protein is secreted and may be involved in desquamation in the epidermis. Alternative splicing results in multiple transcript variants encoding the same protein. [provided by RefSeq, Jul 2008]</p> <p>Transcript Variant: This variant (1) represents the longest transcript. All variants encode the same protein.</p>