

Product datasheet for **SC122634**

Kallikrein 10 (KLK10) (NM_002776) Human Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Kallikrein 10 (KLK10) (NM_002776) Human Untagged Clone
Tag: Tag Free
Symbol: Kallikrein 10
Synonyms: NES1; PRSSL1
Mammalian Cell Selection: None
Vector: [pCMV6-XL5](#)
E. coli Selection: Ampicillin (100 ug/mL)

Fully Sequenced ORF: >OriGene sequence for NM_002776 edited
 CATCCTGCCACCCTAGCCTTGCTGGGGACGTGAACCCTCTCCCCGCGCCTGGGAAGCCT
 TCTTGGCACCGGACCCCGAGAATCCCCACGGAAGCCAGTTCCAAAAGGGATGAAAAGGG
 GGCGTTTCGGGCACTGGGAGAAGCCTGTATTCCAGGGCCCTCCAGAGCAGGAATCTGG
 GACCCAGGAGTGCCAGCCTCACCCACGCAGATCCTGGCCATGAGAGCTCCGCACCTCCAC
 CTCTCCGCGCCTCTGGCGCCGGGCTCTGGCGAAGCTGCTGCCGCTGCTGATGGCGCAA
 CTCTGGGCGCAGAGGGCGGCTGCTCCCCAAAACGACACGCGCTTGGACCCCGAAGCC
 TATGGCGCCCCGTGCGCGCGGGCTCGCAGCCCTGGCAGGTCTCGCTCTTCAACGGCCTC
 TCGTTCCACTGCGCGGGTGTCTGGTGGACCAGAGTTGGGTGCTGACGGCCGCGCACTGC
 GAAAACAAGCCACTGTGGGCTCGAGTAGGGGATGACCACCTGCTGCTTCTCAGGGCGAG
 CAGCTCCGCCGGACGACTCGCTCTGTTGTCCATCCCAAGTACCACCAGGGCTCAGGCCCC
 ATCCTGCCAAGCGAACGGATGAGCACGATCTCATGTTGCTAAAGCTGGCCAGGCCCGTA
 GTGCCGGGGCCCCGCGTCCGGGGCCCTGCAGCTTCCCTACCCTGTGCTCAGCCCCGAGAC
 CAGTGCCAGGTTGCTGGCTGGGGACCACCGCCCGCCGGAGAGTGAAGTACAACAAGGGC
 CTGACCTGCTCCAGCATCACTATCCTGAGCCCTAAAGAGTGTGAGGTCTTCTACCCTGGC
 GTGGTCACCAACAACATGATATGTGCTGGACTGGACCGGGGCCAGGACCCCTTCCAGAGT
 GACTCTGGAGGCCCTGGTCTGTGACGAGACCCTCAAGGCATCCTCTCGTGGGTGTT
 TACCCCTGTGGCTCTGCCAGCATCCAGCTGTCTACACCCAGATCTGCAAATACATGTCC
 TGGATCAATAAAGTCATACGCTCCAAGTCCAGATGCTACGCTCCAGCTGATCCAGAT
 GTTATGCTCCTGCTGATCCAGATGCCAGAGGCTCCATCGTCCATCCTCTTCTCCCCAG
 TCGGCTGAACTCTCCCCTGTCTGCACTGTTCAAACCTCTGCCGCCCCACACCTCTAA
 ACATCTCCCCTCTCACCTCATTCCCCACCTATCCCCATTCTCTGCCTGTACTGAAGCTG
 AAATGCAGGAAGTGGTGGCAAAGGTTTATTCCAGAGAAGCCAGGAAGCCGGTCATCACCC
 AGCCTCTGAGAGCAGTTACTGGGTACCCAACCTGACTTCTCTGCCACTCCCCGCTGT
 GTGACTTTGGGCAAGCAAGTGCCTCTCTGAACCTCAGTTTCTCATCTGCAAATGGG
 AACAAATGACGTGCCTACCTCTTAGACATGTTGTGAGGAGACTATGATATAACATGTGTAT
 GTAATCTTAAAAAAAAAAAAAAAAAAAAAAAAA



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5' Read Nucleotide Sequence:	>OriGene 5' read for NM_002776 unedited AAAGTCANAATTTGTATACGACTCACTATAGGGCGGCCGGAATTCGCACGAGGCATCCTGCCACCCCTAGCCTTGCTGGGGACGTGAACCCTCTCCCGCGCCTGGGAAGCCTTCTTGGCACCGGGACCCGGAGAATCCCCACGGAAGCCAGTTCCAAAAGGGATGAAAAGGGGGCGTTTCGGGCACTGGGAGAAGCCTGTATTCCAGGGCCCTCCAGAGCAGGAATCTGGGACCA GGAGTGCCAGCCTCACCCACGCAGATCCTGGCCATGAGAGCTCCGCACCTCCACCTCTCCGCCCTCTGGCGCCCGGGCTCTGGCGAAGCTGCTGCCGCTGCTGATGGCGCAACTCTGGCCGACAGAGCGCGCTGCTCCCCAAAACGACACGCGCTTGGACCCGAAGCCTATGGCGCCCCGTGCGCGCGGGCTCGCAGCCCTGGCAGGTCTCGCTCTTCAACGCGCTCTCGTTCCTACTGCGCGGGTGTCTGGTGGACCAGAGTTGGGTGCTGACGGCCGCGCACTGCGGAAAC AAGCCACTGTGGGCTCGAGTAGGGGATGACCACCTGCTGCTTCTTCCAGGGCGAGCAGCTC CGCCGGACGACTCGCTCTGTTGTCCATCCCAAGTACCACCAGGGCTCAGGCCCATCTG CCAAGGCGAACGGATGAGCACGATCTCATGTTGCTAAAGCTGGCCAGGCCGTAGTGCCG GGGCCCCCGCTCCGGGCCCTGGAGCTTCCTACCGCTGTGCTAAGCCCGGAAACAGTGC CACGTTGTGGCTGGGGACACGCGCCCGGAGAGTGAAGTACCAGGGCCTGAACTGT TCCAAATTAATCCTGAGCCCTAAAAATGTGAAGGGTCTCTCCCC
Restriction Sites:	Please inquire
ACCN:	NM_002776
Insert Size:	1542 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:	NM_002776.3 , NP_002767.2
RefSeq Size:	1580 bp
RefSeq ORF:	831 bp
Locus ID:	5655
UniProt ID:	O43240
Cytogenetics:	19q13.41
Protein Families:	Druggable Genome, Protease, Secreted Protein

Gene Summary:

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 encoded protein is secreted and may play a role in suppression of tumorigenesis in breast and prostate cancers. Alternate splicing of this gene results in multiple transcript variants encoding the same protein. [provided by RefSeq, Jul 2008]

Transcript Variant: This variant (1) represents the longest transcript. All transcript variants encode the same protein.