

Product datasheet for **SC110209**

Kallikrein 11 (KLK11) (NM_006853) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Kallikrein 11 (KLK11) (NM_006853) Human Untagged Clone
Tag:	Tag Free
Symbol:	Kallikrein 11
Synonyms:	PRSS20; TLSP
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_006853, the custom clone sequence may differ by one or more nucleotides

```
ATGAGGATTCTGCAGTTAATCCTGCTTGCTCTGGCAACAGGGCTTGTAGGGGGAGAGACCAGGATCATCA
AGGGGTTTCGAGTGCAAGCCTCACTCCCAGCCCTGGCAGGCAGCCCTGTTTCGAGAAGACGCGGCTACTCTG
TGGGGCGACGCTCATCGCCCCAGATGGCTCCTGACAGCAGCCCACTGCCTCAAGCCCCGTACATAGTT
CACCTGGGGCAGCACAACTCCAGAAGGAGGAGGGCTGTGAGCAGACCCGGACAGCCACTGAGTCCTTCC
CCCACCCCGGCTTCAACAACAGCCTCCCCAACAAAGACCACCGCAATGACATCATGCTGGTGAAGATGGC
ATCGCCAGTCTCCATCACCTGGGCTGTGCGACCCCTCACCTCTCCTCACGCTGTGTCACTGCTGGCACC
AGCTGCCTCATTTCGGCTGGGGCAGCAGTCCAGCCCCAGTTACGCCTGCCTCACACCTTGCATGCG
CCAAACATACCATCATTGAGCACCAGAAGTGTGAGAACGCCTACCCCGGCAACATCACAGACACCATGGT
GTGTGCCAGCGTGCAGGAAGGGGCAAGGACTCCTGCCAGGGTGACTCCGGGGGCCCTCTGGTCTGTAAC
CAGTCTCTTCAAGGCATTATCTCCTGGGGCCAGGATCCGTGTGCGATCACCCGAAAGCCTGGTGTCTACA
CGAAAGTCTGCAAATATGTGGACTGGATCCAGGAGACGATGAAGAACAATTAG
```



[View online »](#)

5' Read Nucleotide Sequence:

>OriGene 5' read for NM_006853 unedited
 TGCACCATTTTGTAAACGACTCACTATAGGGCGGCCGGAATTCGGCACGAGGGTGCTG
 TGAGAAACAGGGGATTTCCCCACCTTGTCTCCCAATGGGGAGCGGGAGCAGAGGAACC
 TGGGGCCCGCTCCTCCCCCTCCAGGCCATGAGGATTCTGCAGTTAATCCTGCTTGTCT
 GGCAACAGGGCTTGTAGGGGGAGAGACCAGGATCATCAAGGGGTCGAGCGCAAGCCTCA
 CTCCCAGCCCTGGCAGGCAGCCCTGTTTCGAGAAGACGCGGCTACTCTGTGGGGCAGCCT
 CATCGCCACCAGATGGCTCCTGACAGCAGCCCACTGCCTCAAGCCCCGCTACATAGTTCA
 CCTGGGGCAGCACAACTCCAGAAGGAGGGCTGTGAGCAGACCCGGACAGCCACTGA
 GTCCTTCCCCACCCCGCTTCAACAACAGCCTCCCCAACAAAGACCACCGCAATGACAT
 CATGCTGGTGAAGATGGCATCGCCAGTCTCCATCACCTGGGCTGTGCGACCCCTCACCT
 CTCCTCACGCTGTGCTACTGCTGGCACCAGCTGCCTCATTTCCGGCTGGGGCAGCAGTC
 CAGCCCCAGTTACGCTGCCTCACACCCTTGCATGCGCCAACATCACCATCATTGAGC
 ACCCAGAAGTGTGAGAACGCCTACCCCGAACATCACAGACCATGGTGTGTGCCACCG
 TGCAAGAAGGGGCAAGGCTCCTGTGAGGTGACTCCGCGGGCCCTCTGGCCTGTACCAAT
 CCTTTCAAAGCATTAACTCCGGGGCCAGGATCCGTGTGCGATACCCCAAAGCCTGGT
 GTCTACCGAAAGTCTGCAAATATGCGGGCCCGATCCAGGCACACATGAACAAACAATTA
 ACTGGACCCCCCCCCAAGTCCATTACCCTCAT

3' Read Nucleotide Sequence:

>OriGene 3' read for NM_006853 unedited
 TTTTACGAGTTTTTTGCAAACCTTGNATATGGGCCGNACTGTCTTTGGGGCTGGGGATC
 AACAGAGAACAACCAGGTGTTGTCATTCCCAGAGTCACAATATTTCAAGGCAGAATTTGA
 ATCCAGGTCTCACTGATTTGCAACCCAGGTTGATTATTAAGTGACAGCATCTCCTGTAG
 TCCAGGAGGCCAAAGAATGTTCTGAGAGGGTCTTGGCTTAGGGTTTCTTATTAACAGAG
 TGAACAGGAACCAACACCAAGTGGAAATGGAGGGTGATGGGCTGTGGTGGGTGGTCCA
 GTCTAATTGTTCTTCATCGTCTCCTGGATCCAGTCCACATATTTGCAGACTTTCGTGTAG
 ACACCAGGCTTTTCGGGTGATCGCACACGGATCCTGGCCCCAGGAGATAATGCCTTGAAGA
 GACTGGTTACAGACCAGAGGGCCCCCGAGTCACCCTGGCAGGAGTCTTGGCCCCCTTC
 TGCACGCTGGCACACACCATGGTGTCTGTGATGTTGCCGGGTAGGCGTCTCACACTTC
 TGGTGTCAATGATGGTGTGTTGGCGCATCGCAAGGTGTGAGGCAGGCGTAACTGGGGG
 CTGGACGTGCTGCCCCAGCCGAAATGAGGCAGCTGGTCCAGCAGTGACACANCGTGAG
 GAGAGGGTGAGGGGTGCGACAGCCCCAGTGTGAGACTGGCGATGCCATCTTCACCAGC
 ATGATGTCAATTGCGGTGGTCTTTGTTGGGAGGGCTGTTGTGAAGCCGGGTGGGGAGGAC
 TCATGGCTGTCCGGTCTGTACANCCTCCTCCTGAGGTTGTGCTGCCAGTTGACTTG
 TACCGGGCTTGAGCCATGGCTGCTGCCAGACCATCTGGGGCAGAGGTGCCCCAGATAA
 CCGGTCTTTC

Restriction Sites:

NotI-NotI

ACCN:

NM_006853

Insert Size:

1330 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_006853.2 , NP_006844.1
RefSeq Size:	1207 bp
RefSeq ORF:	753 bp
Locus ID:	11012
UniProt ID:	Q9UBX7
Cytogenetics:	19q13.41
Domains:	Tryp_SPc
Protein Families:	Druggable Genome, Protease, Secreted Protein
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. Alternate splicing and the use of alternate promoters results in multiple transcript variants encoding distinct isoforms which are differentially expressed. [provided by RefSeq, Dec 2016]</p> <p>Transcript Variant: This variant (1) has an alternate 5' terminal exon, which results in a downstream translation start codon, compared to variant 2. The encoded isoform (1) has a shorter N-terminus than isoform 2, and is preferentially expressed in brain. Variants 1 and 4 encode the same isoform 1.</p>