

## Product datasheet for **SC119592**

### Plasma Kallikrein 1B (KLKB1) (NM\_000892) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Plasma Kallikrein 1B (KLKB1) (NM_000892) Human Untagged Clone
Tag:	Tag Free
Symbol:	Plasma Kallikrein 1B
Synonyms:	KLK3; PKK; PKKD; PPK
Mammalian Cell Selection:	None
Vector:	<u><a href="#">pCMV6-XL4</a></u>
E. coli Selection:	Ampicillin (100 ug/mL)



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**Fully Sequenced ORF:** >NCBI ORF sequence for NM\_000892, the custom clone sequence may differ by one or more nucleotides

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ATGATTTTATTCAAGCAAGCAACTTATTTCAATTCCTTGTGTTGCTACAGTTTCCTGTGGATGTCTGACTC
AACTCTATGAAAACGCCCTTCTTCAGAGGTGGGGATGTAGCTTCCATGTACACCCCAATGCCCAACTGAC
CCAGATGAGGTGCACATTCACCCAAGGTGTTTGTATTCAAGTTTCTTCAGCAAGTTCAATCAATGAC
ATGGAGAAAAGGTTTGGTTGCTTCTTGAAGATAGTGTTACAGGAACCTGCCAAAAGTACATCGAACAG
GTGCAGTTTCTGGACATTCTTGAAGCAATGTGGTCATCAAATAAGTGCTTGCCATCGAGACATTTATAA
AGGAGTTGATATGAGAGGAGTCAATTTTAAATGTGTCTAAGGTTAGCAGTGTGAAGAATGCCAAAAAAGG
TGCACCAGTAACATTCGCTGCCAGTTTTTTTTCATATGCCACGCAAACATTTACAAGGCAGAGTACCGGA
ACAATTGCCTATTAAGTACAGTCCCGGAGGAACACCTACCGCTATAAAGGTGCTGAGTAACGTGGAATC
TGGATTCTCACTGAAGCCCTGTGCCCTTCAGAAATTGGTTGCCACATGAACATCTTCCAGCATCTTGCG
TTCTCAGATGTGGATGTTGCCAGGGTCTCACTCCAGATGCTTTTGTGTGTCGGACCATCTGCACCTATC
ACCCCAACTGCCCTTTTACATTCTATACAAATGTATGAAAAATCGAGTCACAAAGAAATGTTTGTCT
TCTTAAAACATCTGAAAGTGGCACACCAAGTTCCTCTACTCCTCAAGAAAACACCATATCTGGATATAGC
CTTTTAACTGCAAAAAGAACTTTACCTGAACCCTGCCATTCTAAAATTTACCCGGGAGTTGACTTTGGAG
GAGAAGAATTGAATGTGACTTTTGTAAAGGAGTGAATGTTTGCCAAGAGACTTGACAAAAGATGATTTCG
CTGTCAAGTTTCTCACTTATTCTTACTCCAGAAGACTGTAAGGAAGAGAAGTGAAGTGTCTTAAAGA
TTATCTATGGATGGTTCTCAACTAGGATTGCGTATGGGACACAAGGGAGCTCTGGTTACTCTTTGAGAT
TGTGTAACACTGGGGACAACCTGTCTGCACAACAAAAACAAGCACACGCATTGTTGGAGGAACAACTC
TTCTTGGGAGAGTGGCCCTGGCAGGTGACCTGCAGGTGAAGCTGACAGCTCAGAGGCACCTGTGTGGA
GGGTCACTCATAGGACACCAAGTGGTCTCACTGCTGCCACTGCTTTGATGGGCTTCCCCTGCAGGATG
TTTGGCGCATCTATAGTGGCATTAAAATCTGTACAGACATTACAAAAGATACACCTTTCTACAAAATAA
AGAGATTATTATTCACCAAAACTATAAAGTCTCAGAAGGGAATCATGATATCGCCTTGATAAACTCCAG
GCTCCTTTGAATTACTGAATTCAAAAACCAATATGCCTACCTTCCAAGGTGACACAAGCACAAATTT
ATACCAACTGTTGGTAACCGGATGGGGCTTCTCGAAGGAGAAAGGTGAAATCCAAAATATTCTACAAA
GGTAAATATTCTTTGGTAACAAATGAAGAATGCCAGAAAAGATATCAAGATTATAAAATAACCCAAACGG
ATGGTCTGTGCTGGCTATAAAGAAGGGGAAAAGATGCTTGTAAAGGAGATTCAAGTGTGCTTCTAGTTT
GCAAAACAAATGGAATGTGGCGTTTGGTGGCATCACCAGCTGGGGTGAAGGCTGTGCCCGCAGGGAGCA
ACCTGGTGTCTACACAAAGTCGCTGAGTACATGGACTGGATTTAGAGAAAACACAGAGCAGTATGGA
AAAGCTCAGATGCAGTCACCAGCATGA
    
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**5' Read Nucleotide Sequence:**

>OriGene 5' read for NM\_000892 unedited

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GTTCACTTTGTATACGACTCCTATAGGGCGGCCGGAATCGGCACCAGGTTCAATTTTAA
AGTGACAAGAGACTCACCTCCAAAAGCAATTGTGTTTTCAGAATGATTTTATTCAAGCA
AGCAACTTATTTCAATTCCTTGTGTTGCTACAGTTTCTGTGGATGTCTGACTCAACTCTA
TGAAAACGCCCTTCTTCAGAGGTGGGGATGTAGCTTCCATGTACACCCCAATGCCCAATA
CTGCCAGATGAGGTGCACATTCACCCAAGGTGTTTGTATTCAAGTTTCTTCAGCAAG
TTCAATCAATGACATGGAGAAAAGGTTTGGTTGCTTCTTGAAGATAGTGTACAGGAAC
CCTGCCAAAAGTACATCGAACAGGTGCAGTTTCTGGACATTCCTTGAAGCAATGTGGTCA
TCAAATAAGTGCTTGCCATCGAGACATTTATAAAGGAGTTGATATGAGAGGAGTCAATTT
TAATGTGTCTAAGTTAGCAGTGTGAAGAATGCCAAAAAAGGTGCACCAGTAACATTTCG
CTGCCAGTTTTTTTTCATATGCCACGCAAACATTTACAAGGCAGAGTACCGGAACAAATTG
CCTATTAAGTACAGTCCCGGAGGAACACCTACCGCTATAAAGGTGCTGAGTAACGTGGA
ATCTGGATTCTCACTGAAGCCCTGTGCCCTTTCAGAAATTGGTTGCCACATGAACATCTT
CCAGCATCTTGCCTTCTCAGATGTGGATGTTGCCAGGGTCTCACTCCAGATGCTNNTTG
TGTGTCGGACCATCTGCACCTATCACCCCAACTGCCTCTTCTTTACATTCTATACAAATG
TATGAAAATCGAGTCACCAGAAATGTTTGGTCTCTTTAAAACATCTGAAGTGGCACACC
AAGTTCCTCTACTCCTCAAGAAACATATCTGA
    
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**Protein Families:** Druggable Genome, Protease

**Protein Pathways:** Complement and coagulation cascades

**Gene Summary:** This gene encodes a glycoprotein that participates in the surface-dependent activation of blood coagulation, fibrinolysis, kinin generation and inflammation. The encoded preproprotein present in plasma as a non-covalent complex with high molecular weight kininogen undergoes proteolytic processing mediated by activated coagulation factor XII to generate a disulfide-linked, heterodimeric serine protease comprised of heavy and light chains. Certain mutations in this gene cause prekallikrein deficiency. Alternative splicing results in multiple transcript variants encoding different isoforms. [provided by RefSeq, Jan 2016]

Transcript Variant: This variant (1) encodes the longest isoform (1).