

Product datasheet for **MC202116**

Klkb1 (NM_008455) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Klkb1 (NM_008455) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Klkb1
Synonyms:	APS; Ka; Kal; Kal-3; Kal3; Klk; Klk3; PSA
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >BC026555 sequence for NM_008455
 CAACGTGACCATCCTTCCAGGATGATTTTATTCAACCGAGTGGGTATTTTGTTCCTTGTTGCTACCG
 TCTCCTGTGGGTGTATGACTCAACTGTATAAAAAACCTTCTTCAGAGGTGGGATCTAGCTGCCATCTA
 CACCCAGATGCCAGTACTGTGAGAAGATGTGCACTTTTACCCAGGTGCCTGCTGTTGACTTTCTC
 GCCGTGACTCCACCAAAGAGACAAATAAACGGTTTGGTTGCTTCATGAAAGAGAGCATTACAGGGACTT
 TGCCAAGAATACACCGGACAGGGCCATTTCTGGTCATTCTTTAAAGCAGTGTGGCCATCAATAAGTGC
 TTGCCACCGAGACATATACAAAGGACTTGATATGAGAGGGTCCAACCTTAAATCTCTAAGACCGACAAT
 ATTGAAGAATGCCAGAACTGTGCACAAATAATTTTCACTGCCAATTTTTACATATGCTACAAGTGCAT
 TTTACAGACCAGAGTACCGGAAGAAGTGCCTGCTGAAGCACAGTGAAGCGGAACACCCACCAGCATAAA
 GTCAGCGGACAACCTGGTGTCTGGATTCTCACTGAAGTCTGTGCGCTTTCGGAGATAGGTTGCCCATG
 GATATTTTCCAGCACTCTGCCTTTCAGACCTGAATGTAAGCCAGGTGATCACCCCGATGCCTTTGTGT
 GTCGCACCATCTGCACCTTCCATCCCAACTGCCTTTTCTTACGTTCTACACGAATGAATGGGAGACAGA
 ATCACAGAGAAATGTTTGTCTTAAAGACGTCTAAAAGTGAAGACCAAGTCCCCTATTCTCAAGAA
 AACGCTATATCTGGATATAGTCTCCTCACGAGAAAACTCGCCTGAACCCTGCCATCCAAAAATTT
 ACTCTGGAGTTGACTTTGAAGGGGAAGAACTGAATGTGACCTTCGTGCAAGGAGCAGATGTCTGCCAAGA
 GACTTGTACAAAGACAATCCGCTGCCAGTTTTTTATTTACTCCTTACTCCCCAAGACTGCAAGGAGGAG
 GGGTGAATGTTCTTAAGGTTATCCACAGATGGCTCCCAACTAGGATCACCTATGGCATGCAGGGGA
 GCTCCGGTTATTCTGAGATTGTGAAACTTGTGGACAGCCCTGACTGTACAACAAAAATAATGCACG
 TATTGTGGGAGGAACAAACGCTTCTTTAGGGGAGTGGCCATGGCAGGTGACGCTGCAAGTGAAGCTGGTA
 TCTCAGACCCATTTGTGTGGAGGGTCCATCATTGGTCGCCAATGGGTACTGACAGCTGCCATTGCTTTG
 ATGGAATCCCTATCCAGATGTGTGGCCTATATATGGCGAATCTTAGTCTGTCCGAGATTACGAAAGA
 AACGCCTCCTCGAGAATAAAGGAGCTTATTATTCATCAGGAATACAAAGTCTCAGAAGGCAATTTATGAT
 ATTGCCTAATAAAGCTTCAGACGCCCTGAATTATACTGAATTCAAAAACCAATATGCCTGCCTTCCA
 AAGCTGCACACAAAATACAATTTATACCAACTGTTGGGTGACTGGATGGGGCTACACGAAGGAACAAGGTGA
 AACGCAAAATATTCTACAAAAGGCTACTATTCCTTTGGTACCAAAATGAAGAATGCCAGAAAAATACAGA
 GATTATGTTATAAAACAAGCAGATGATCTGTGCTGGCTACAAAGAAGGCGGAACAGACGCTTGTAAAGGAG
 ATTCCGGTGGCCCTTAGTCTGTAACACAGTGGACGGTGGCAGTTGGTGGGTATCACCAGCTGGGGTGA
 AGGCTGCGCCCGCAAGGACCAACCAGGAGTCTACACCAAAGTTTCTGAGTACATGGACTGGATATTGGAG
 AAGACACAGAGCAGTGTGTAAGAGCTCTGGAGACATCTTACGCTGAGGAGGCTGGGTACCAAGGAGGA
 AGAACCCAGCTGGCTTTACCACCTGCCCTCAAGGCAAACCTAGAGCTCCAGGATTCTCGGTGTAATAATGT
 TGATAATGGTGTCTACCTCACATCCGTATCATTGGATTGAAAATCAAGTGTAGATATAGTTGCTGAAGA
 CAGCGTTTTGCTCAAGTGTGTTTCTGCCTTGAGTCACAGGAGCTCCAATGGGAGCATTACAAAGATCAC
 CAAGCTTGTTAGAAAAGAGAATGATCAAAGGGTTTTATTAGGTAATGAAATGTCTAGATGTGATGAAT
 GAAAAAAGACCCAGATTCTAGCACAGTCTTGGGACCATTCTCATGTAAGTGTGACTCTGGACCTCA
 GCAGATCTCAGAGTTACCTGTCCACTTCTGACATTTGTTTATTAGAGCCTGATGCTATTCTTTCAAGTGG
 AGCAAAAAAAAAAAAAA

Restriction Sites: RsrII-NotI

ACCN: NM_008455

Insert Size: 1917 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:

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: [BC026555](#), [AAH26555](#)

RefSeq Size: 2398 bp

RefSeq ORF: 1917 bp

Locus ID: 16621

UniProt ID: [P26262](#)

Cytogenetics: 8 25.17 cM

Gene Summary: This gene encodes a member of the kallikrein subfamily of serine proteases that are involved in diverse physiological functions such as skin desquamation, tooth enamel formation, seminal liquefaction, synaptic neural plasticity and brain function. The encoded preproprotein undergoes proteolytic processing to generate a disulfide-linked heterodimeric enzyme comprised of heavy and light chains. A complete deletion of the encoded protein prevents occlusive thrombus formation in mice with a minimal role in provoked bleeding. [provided by RefSeq, May 2016]