

Product datasheet for **MC202995**

Klk1b1 (NM_010645) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Klk1b1 (NM_010645) Mouse Untagged Clone
Tag: Tag Free
Symbol: Klk1b1
Synonyms: Klk; Klk1; mGK-1; mK1
Mammalian Cell Selection: Neomycin
Vector: PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection: Kanamycin (25 ug/mL)
Fully Sequenced ORF: >BC026378
 CTCCTGAACACCTGTTACCATGTGGTTCCTGATCCTGTTCTAGCCCTGTCCCTAGGAGGGATTGATGCT
 GCACCTCCTGTCCAGTCTCGAATAGTTGGAGATTAAATGTGAGAAGAACTCCCAGCCCTGGCATGTGG
 CTGTGTACCGCTACAAGGAATATATATGCGGGGAGTCCTGTTGGATGCCAACTGGGTTCTCACAGCTGC
 CCACTGCTATTATGAAAAGAACAACGTTTGGCTGGGCAAAAACAACCTATACCAAGATGAACCTCTGCT
 CAGCACCGATTAGTCAGCAAAAGCTTCCTTCACCTTGCTACAACATGAGCCTCCATCGGAACCGCATCC
 AAAATCCTCAGGACGACTACAGCTATGACCTGATGCTGCTCCGCCTCAGCAAGCCTGCTGACATCACAGA
 TGTGTGAAGCCCATCGCCCTGCCCACTGAGGAGCCCAAGCTGGGGAGCACATGCCTTGCTCAGGCTGG
 GGCAGCATTATACCTGTCAAGTTCCAATATGAAAAGATCTCCAGTGTGTGAACCTCAAGCTCCTGCCTA
 ATGAGGACTGTGACAAAGCCTATGTACAGAAAGTCACAGATGTCATGCTGTGTGCAGGAGTGAAGGGTGG
 AGGCAAGACACTTGTAAGGGAGACTCAGGAGGCCCACTGATCTGTGATGGTGTCTCCAAGGTCTCACA
 TCATGGGGCTATAACCCATGTGGTGAACCCAAAAAGCCGGGCGTCTACACCAAACTATTAAGTTACCT
 CCTGGATCAAAGACACTTTGGCCAAAACCCCTGAGTGACACACTGTCTGTTCTCAATAAAATCCACCAT
 GCAACAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA

Restriction Sites: RsrII-NotI

ACCN: NM_010645

Insert Size: 786 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).



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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.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: [BC026378](#), [AAH26378](#)

RefSeq Size: 878 bp

RefSeq ORF: 786 bp

Locus ID: 16623

UniProt ID: [P00755](#)

Cytogenetics: 7 28.44 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 cleavage of the activation peptide to generate the functional enzyme. This gene is located in a cluster of several related kallikrein genes on chromosome 7. [provided by RefSeq, Feb 2016]