

## Product datasheet for **MC201053**

### **Klk1b5 (NM\_008456) Mouse Untagged Clone**

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Klk1b5 (NM\_008456) Mouse Untagged Clone  
**Tag:** Tag Free  
**Symbol:** Klk1b5  
**Synonyms:** kallikrein; Klk; Klk5; mGK-5  
**Mammalian Cell Selection:** Neomycin  
**Vector:** PCMV6-Kan/Neo (PCMV6KN)  
**E. coli Selection:** Kanamycin (25 ug/mL)

**Fully Sequenced ORF:** >BC013659 sequence for NM\_008456  
 GTCCTGGACAGCTGTCACCATGTGGTTCCTGATCCTGTTCCTAGCCCTGTCCCTAGGAGGGATTGATGC  
 TGCACCTCCTGTCCAGTCTCGAATTTTTGGAGGATTTAACTGTGAGAAGAACTCCCAACCCTGGCAAGTG  
 GCTGTGTACCGCTTACCAAATATCAATGCGGGGAGTCTGCTGAACGCCAACTGGGTTCTCACTGCTG  
 CCCACTGCCATAATGACAAGTACCAGGTTTGGCTGGGCAAAAACAACCTTTTTGAGGATGAACCCCTGTC  
 CCAACACCGGCTTGTGAGCAAGCCATCCCTCACCTGACTTCAACATGAGCCTCCTGAATGAGCACACC  
 CCACAACCTGAGGACGACTACAGCAATGACCTGATGCTGCTCCGCCTCAAAAAGCCTGCTGACATCACAG  
 ATGTTGTGAAGCCCATCGACCTGCCACTGAGGAGCCCAAGCTGGGGAGCACATGCCTAGCCTCAGGCTG  
 GGGCAGCATTACACCCGTCATATACGAACCCGAGATGATCTCCAGTGTGTGAACCTCAAGCTCCTGCCT  
 AATGAGGACTGTGTCAAAGCCCACATAGAGAAGGTGACAGATGTTATGTTGTGTGCAGGAGATATGGATG  
 GAGGCAAAGACACTTGTATGGGTGACTCAGGAGGCCACTGATCTGTGATGGTGTCTCCACGGTATCAC  
 ATCATGGGGCCCTAGCCCTTGCAGTAAACCAATGTGCCAGGATCTACACCAAACCTTATTAAGTTTAACT  
 TCTTGATAAAAGACACTATAGCTAAAAATGCCTGAATATCACATTGTCCCATGTCTCAATAAAGCCCA  
 CCATGCAGCAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA

**Restriction Sites:** RsrII-NotI

**ACCN:** NM\_008456

**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.

**RefSeq:** [BC013659](#), [AAH13659](#)

**RefSeq Size:** 876 bp

**RefSeq ORF:** 786 bp

**Locus ID:** 16622

**UniProt ID:** [P15945](#)

**Cytogenetics:** 7 28.73 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]