

## Product datasheet for MC201430

### Klk1b8 (NM\_008457) Mouse Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Klk1b8 (NM_008457) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Klk1b8
Synonyms:	kallikrein; Klk; Klk8; mGK-8; Nrpn; TADG1; TADG14
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)

**Fully Sequenced ORF:** >BC031798 sequence for NM\_008457  
 TGCTGCTCCTGGACACCTGTTACCATGAGGTTCCCTGATCCTGTTCTAGCCCTGTCCTAGGAGGGATTG  
 ATGCTGCACCTCCTCTCCAGTCTCGGGTGGTGGAGATTTAACTGTGAGAAGAATCCCAACCCTGGCA  
 GGTGGCTGTGTATGACAACAAGGAACACATTTGTGGGGGAGTCCCTGTTGGAACGCAACTGGGTTCCACACA  
 GCTGCCCACTGCTATGTGACACAGTATGAGGTTTGGCTGGGCAAAAACAAGTTATTCCAAGAGGAACCCCT  
 CTGCTCAACACCGATTGGTCAGCAAAAGCTTCCCTCACCTGGCTTCAACATGAGCCTCCTGACACTCAA  
 AGAGATACCTCCTGGGGCTGACTTCAGCAATGACCTGATGCTGCTCCGCCTCAGCAAGCCTGCTGACATC  
 ACAGATGCTGTGAAGCCCATCACCTGCCACGAAGGAGTCAAACTGGGGAGCACATGCCTAGCCTCAG  
 GCTGGGGCAGCATTACACCCACGAAATGGCAAAAGCCAGATGATCTCCAGTGTGTGTTCTCAAGCTCCT  
 GCCTATTAAGAACTGTATAGAAAACCACAATGTGAAGGTGACAGATGTCATGCTGTGTGCAGGAGAGATG  
 AGTGGAGGCAAAAACATTTGCAAGGGTACTCCGGAGGCCATTGATCTGTGATAGTGTCTCCAAGGTA  
 TCACATCAACAGGCCCTATACCATGCGGTAAACCTGGTGTACCAGCCATGTACACCAACCTATTAAGTT  
 CAACTCCTGGATAAAAAGATACTATGACGAAAAATTCCTGAGTGTACATTATCCCATGTTCTCAATAAAA  
 CCCACCATGAAGCAAAAAAAAAAAAAAAAA

**Restriction Sites:** RsrII-NotI

**ACCN:** NM\_008457

**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:** [BC031798](#), [AAH31798](#)

**RefSeq Size:** 868 bp

**RefSeq ORF:** 786 bp

**Locus ID:** 16624

**UniProt ID:** [P07628](#)

**Cytogenetics:** 7 28.43 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]