

## Product datasheet for **MR218780**

### **Klk1b27 (NM\_020268) Mouse Tagged ORF Clone**

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Klk1b27 (NM\_020268) Mouse Tagged ORF Clone  
**Tag:** Myc-DDK  
**Symbol:** Klk1b27  
**Synonyms:** Gk27; Klk2; Klk21l; Klk27; mGK-27  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**ORF Nucleotide Sequence:** >MR218780 representing NM\_020268  
**Red=Cloning site Blue=ORF Green=Tags(s)**

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGGATCGCC**

ATGAGGTTCTGATCCTGTTCTTGCCCTGTCCCTAGGAGGGATTGATGCTGCGCCTCCTGTCCAGTCTA  
GAATAATTGGAGGATTTAAATGTAAGAAGAATTCTCAACCCTGGCATGTGGCTGTGCTCCGCTCCAACAA  
ATATATATGCGGGGGAGTCTGTGGACCCCACTGGGTTCTCACAGCTGCCACTGCTATGGCAATGAC  
ACCAGCCAGCATAATGTTTGGCTGGGCAAAAACAAGCTATTCCAACGTGAACCCCTGCTCAGCACCGAT  
GGGTCAGCAAAAAGCTTCCCCACCCTGACTACAACATGAGCCTCCTGAATGACCACATCCCACATCCTGA  
GGACAAGAGCAATGACCTGATGCTGCTCCGTCTCAGCAAGCCTGCTGACATCACAGATGCTGTGAAGCCC  
ATCGACCTGCCCACTGAGGAGCCCAAGCTGGGGAGCACATGCCTAGCCTCAGGCTGGGGCAGCATTACAC  
CCACAAAATACCAAATCCCAAATGATCTTCAGTGTGTGTTTCATCAAGCTCCTGCCCAATGAGAACTGTGC  
CAAAGCCTACGTACATAAAGTCACAGATGTGATGCTGTGTGTTAGGAGAGACGGGTGGAGGCAAAGGCACT  
TGCAAGGGTGACTCAGGAGGCCCACTGATCTGTGATGGTGTCTCCACGGTATCACATCATGGGGCTCTA  
TCCCATGCGCTAAACCAATGCGCCAGGCGTCTTCACAAACTTATTAAGTTTACCTCCTGGATAAAAGA  
CACTATGGCAAAAACCCC

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



**Protein Sequence:** >MR218780 representing NM\_020268  
Red=Cloning site Green=Tags(s)

MRFLILFLALSLGGIDAAPPVQSRIIGGFKCKKNSQPWHVAVLRSNKYICGGVLLDPNWVLTAAHCYGNDSQHNWLGKKNLQREPSAQRWVSKSFPHPDYNSLLNDHIPHPEDKSNLMLLRLSKPADITDAVKPIDLPTEEPKLGSTCLASGWGSITPTKYQIPNDLQCVFIKLLPNENCAKAYVHKVTDVMLCVGETGGGKGTCKGDSGGPLICDGVLHGITSWGSIPCAKPNAPGVFTKLIKFTSWIKDTMAKNP

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Chromatograms:** [https://cdn.origene.com/chromatograms/mm9075\\_e08.zip](https://cdn.origene.com/chromatograms/mm9075_e08.zip)

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**ACCN:** NM\_020268

**ORF Size:** 792 bp

**OTI Disclaimer:** The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

**OTI Annotation:** This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

**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:** [NM\\_020268.3](#), [NP\\_064664.1](#)

**RefSeq Size:** 889 bp

**RefSeq ORF:** 792 bp

**Locus ID:** 16619

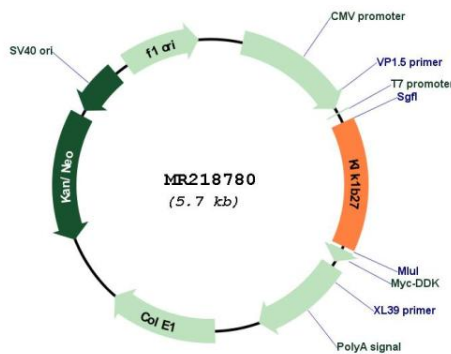
**UniProt ID:** [Q9J\[M71\]](#)

**Cytogenetics:** 7 28.54 cM

**MW:** 28.7 kDa

**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]

**Product images:**



Circular map for MR218780