

## Product datasheet for **MC210072**

### **Klk11 (NM\_019974) Mouse Untagged Clone**

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Klk11 (NM\_019974) Mouse Untagged Clone  
**Tag:** Tag Free  
**Symbol:** Klk11  
**Synonyms:** 2310015I08Rik; hj; Pr; Prss20; T; TLSP  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Cell Selection:** Neomycin  
**Fully Sequenced ORF:** >MC210072 representing NM\_019974  
**Red**=Cloning site **Blue**=ORF **Orange**=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**GCGATCGCC**

ATGATTCTCCGACTCATTGCACTTGCTCTGGTAACAGGGCACGTAGGGGGAGAGACGAGGATCATCAAGG  
GTTATGAGTGCAGGCCTCACTCACAGCCATGGCAGGTGGCCCTTTTCAGAAGACACGGCTTCTCTGTGG  
GGCAACCCTCATGCCCCAAATGGCTCCTGACAGCAGCCACTGCCGAAGCCCCATTAGTGATCCTC  
CTTGAGAGACACAATCTAGAGAAGACAGACGGCTGTGAGCAGAGGCGGATGGCCACTGAGTCTCCCC  
ACCCCGACTTCAACAACAGCCTCCCCAACAAGACCACCGGAATGACATAATGCTTGTGAAGATGTCGTC  
TCCCGTCTTTTACCCGAGCTGTGACGCCACTCACCTGTCCCCACACTGTGTCGCTGCAGGCACCAGC  
TGCCCTATTTCTGGATGGGGCACCACGTCCAGCCCCAGTTGCGCCTGCCTATTCTTGGCATGTGCCA  
ATGTCTCCATCATCGAACACAAGGAGTGTGAGAAGGCCTACCCGGGCAACATCACAGACACCATGCTGTG  
CGCCAGTGTTCGGAAAGAGGGCAAGGACTCCTGTGAGGTGACTCTGGAGGCCCTGGTCTGCAACGGA  
TCTTTCAAGGCATCATCTCTGGGGTCAGGACCCATGTCCGTCACCAGAAAGCCTGGTGTCTATACAA  
AAGTCTGCAAATACTTTAACTGGATCCACGAGGTTATGAGGAACAAT**TAG**

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** Sgfl-MluI  
**ACCN:** NM\_019974  
**Insert Size:** 750 bp



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|-------------------------------|--|
| <b>OTI Disclaimer:</b>        | 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).   |
| <b>Components:</b>            | 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).   |
| <b>Reconstitution Method:</b> | <ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>  |
| <b>RefSeq:</b>                | <a href="#">NM_019974.2</a> , <a href="#">NP_064358.1</a>  |
| <b>RefSeq Size:</b>           | 1285 bp  |
| <b>RefSeq ORF:</b>            | 750 bp   |
| <b>Locus ID:</b>              | 56538  |
| <b>UniProt ID:</b>            | <a href="#">Q9QYN3</a>   |
| <b>Cytogenetics:</b>          | 7 B3   |
| <b>Gene Summary:</b>          | <p>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, May 2016]</p> <p>Transcript Variant: This variant (2) represents use of an alternate promoter and 5' UTR and uses a downstream start codon, compared to variant 1. The resulting isoform (2) has a shorter N-terminus, compared to isoform 1. Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.</p> |