

Product datasheet for **MC214245**

Klk8 (NM_008940) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Klk8 (NM_008940) Mouse Untagged Clone
Tag: Tag Free
Symbol: Klk8
Synonyms: BS; BSP1; NP; Nrpn; Pr; Prss19
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Fully Sequenced ORF: >MC214245 representing NM_008940
Red=Cloning site **Blue**=ORF **Orange**=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGGGACGCCCCACCCTGTGCAATCCAGCCGTGGATCCTTCTGCTTCTGTTTCATGGGAGCGTGGGCAG
GGCTCACCAGAGCTCAGGGCTCCAAGATCCTGGAAGTCGAGAGTGTATACCCACTCCCAGCCTTGCCA
GGCAGCCTTGTCCAGGGCGAGAGACTGATCTGTGGGGTGTCTGGTTGGAGACAGATGGGTCCTCAG
GCAGCCACTGCAAAAAACAGAAGTACTCCGTGCGTCTGGGTGATCATAGCCTCCAGAGCAGAGATCAG
CGGAGCAGGAGATCCAGGTGGCTCAGTCTATCCAGCATCCTTGCTACAACAACAGCAACCCAGAAGATCA
CAGTCACGATATAATGCTCATTGACTGCGAAGTCTCAGCAACCTCGGGGACAAGGTGAAGCCGGTCCAA
CTGGCCAACTGTGTCCCAAAGTTGGCCAGAAGTGCATCATATCAGGCTGGGGCACTGTCACCAGCCCTC
AAGAGAACTTTCCAAACACCCTCAACTGTGCGGAAGTAAAACTATTCCAGAACAAGTGTGAGAGAGC
CTATCCAGGGAAGATCACCGAGGGCATGGTCTGTGCTGGCAGCAGCAATGGAGCTGACACGTGCCAGGGT
GACTCAGGAGGCCCTCTGGTGTGCGACGGGATGCTCCAGGGCATCACCTCATGGGGCTCAGACCCCTGTG
GGAAACCCGAGAAACCTGGAGTCTACACCAAACTGCGCCCTACACTACCTGGATCAAGAAGACCATGGA
CAACAGGGACTGA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Chromatograms: https://cdn.origene.com/chromatograms/ja2238_f08.zip
Restriction Sites: SgfI-MluI
ACCN: NM_008940



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Insert Size:	783 bp
OTI Disclaimer:	<p>Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.</p> <p>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</p>
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:	<ol style="list-style-type: none">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:	BC055895 , AAH55895
RefSeq Size:	1322 bp
RefSeq ORF:	783 bp
Locus ID:	259277
UniProt ID:	Q61955
Cytogenetics:	7 28.26 cM
Gene Summary:	<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. Mice lacking the encoded protein exhibit impaired long-term potentiation and increased anxiety, as well as a hyperkeratosis phenotype. This gene is located in a cluster of several related kallikrein genes on chromosome 7. [provided by RefSeq, May 2016]</p>