

## Product datasheet for MC214245

## Klk8 (NM\_008940) Mouse Untagged Clone

## **Product data:**

## OriGene Technologies, Inc.

9620 Medical Center Drive, Ste 200 Rockville, MD 20850, US Phone: +1-888-267-4436 https://www.origene.com techsupport@origene.com EU: info-de@origene.com CN: techsupport@origene.cn

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
	TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC GCC <mark>GCGATCGC</mark> C
	ATGGGACGCCCCCCACCCTGTGCAATCCAGCCGTGGATCCTTCTGCTTCTGTTCATGGGAGCGTGGGCAG GGCTCACCAGAGCTCAGGGCTCCAAGATCCTGGAAGGTCGAAGGTGTATACCCCACTCCCAGCCTTGGCA GGCAGCCTTGTTCCAGGGCGAGAGACTGATCTGTGGGGGTGTCCTGGTTGGAGACAGATGGGTCCTCACG GCAGCCCACTGCAAAAAACAGAAGTACTCCGTGCGTCTGGGTGATCATAGCCTCCAGAGCAGAGATCAGC CGGAGCAGGAGATCCAGGTGGCTCAGTCTATCCAGCATCCTTGCTACAACAACAGCAACCAGAAGATCA CAGTCACGATATAATGCTCATTCGACTGCAGAACTCAGCAAACCTCGGGGACAAGGTGAAGCCGGTCCAA CTGGCCAATCTGTGTCCCAAAGTTGGCCAGAAGTGCATCATATCAGGCTGGGGCACTGTCACCAGCCCTC AAGAGAACTTTCCAAACACCCTCAACTGTGCGGAAGTGCATCATATCAGGCTGGGGCACTGTCACCAGCCCTC AAGAGAACTTTCCAAACACCCTCAACTGTGCGGAAGTGCAACATGAGCGGGCTCAACAGTGTGAGAGAGC CTATCCAGGGAAGATCACCGAGGGCATGGTCTGTGCTGGCAGCAGCAATGGAGCTGACACGTGCCAGGGT GACTCAGGAGGCCCTCTGGTGTGCGACGGGATGCTCCAGGCCACCTCCAGGCCTCAGACCCTGGG GGAAACCCGAGAAACCTGGAGTCTACACCAAAATCTGCCGCTACACTACCTGGATCAAGAAGACCATGGA CAACAGGGACTGA ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT ACAAGGAACTTGA
Chromatograms:	https://cdn.origene.com/chromatograms/ja2238_f08.zip
Restriction Sites:	Sgfl-Mlul
ACCN:	NM_008940



This product is to be used for laboratory only. Not for diagnostic or therapeutic use. ©2024 OriGene Technologies, Inc., 9620 Medical Center Drive, Ste 200, Rockville, MD 20850, US **CRIGENE** KIk8 (NM\_008940) Mouse Untagged Clone – MC214245

Insert Size:	783 bp
OTI Disclaimer:	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 <u>custsupport@origene.com</u> or by calling 301.340.3188 option 3 for pricing and delivery.
	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. <u>More info</u>
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> <li>Centrifuge at 5,000xg for 5min.</li> <li>Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li> <li>Close the tube and incubate for 10 minutes at room temperature.</li> <li>Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li> <li>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>
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	<u>BC055895</u> , <u>AAH55895</u>
RefSeq Size:	1322 bp
RefSeq ORF:	783 bp
Locus ID:	259277
UniProt ID:	<u>Q61955</u>
Cytogenetics:	7 28.26 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. 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]

This product is to be used for laboratory only. Not for diagnostic or therapeutic use. ©2024 OriGene Technologies, Inc., 9620 Medical Center Drive, Ste 200, Rockville, MD 20850, US