

Product datasheet for **MG220500**

Klk11 (NM_001177373) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Klk11 (NM_001177373) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Klk11
Synonyms:	2310015I08Rik; hj; Pr; Prss20; T; TLSP
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG220500 representing NM_001177373 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCCGCC**CGATCGCC**

ATGAGGAGGCTGAAGAGTGACTGGAAATTATCTACAGAAACCAGGGAACCTGGCGCCCGCCTGCCCTAC
TCCAGGCCAGGATGATTCTCGACTCATTGCACCTTGCTCTGGTAACAGGGCACGTAGGGGAGAGACGAG
GATCATCAAGGGTTATGAGTGCAGGCCTCACTCACAGCCATGGCAGGTGGCCCTTTTCAGAAGACACGG
CTTCTCTGTGGGCAACCCTCATCGCCCCAAATGGCTCCTGACAGCAGCCCACTGCCGCAAGCCCCATT
ACGTGATCCTCCTTGGAGAGCACAATCTAGAGAAGACAGACGGCTGTGAGCAGAGGCGGATGGCCACTGA
GTCCTTCCCCACCCCGACTTCAACAACAGCCTCCCCAACAAAGACCACCGGAATGACATAATGCTTGTG
AAGATGTCGTCTCCCGTCTTCTTACCCGAGCTGTGCAGCCACTCACCCGTGCCACACTGTGTGCTG
CAGGCACCAGCTGCCTCATTCTGGATGGGGCACCACGTCCAGCCCCAGTTGCGCTGCCTCATTCCCT
GCGATGTGCCAATGTCTCCATCATCGAACACAAGGAGTGTGAGAAGGCCTACCCGGGCAACATCACAGAC
ACCATGCTGTGCGCCAGTGTTCGAAAGAGGGCAAGGACTCCTGTGAGGGTACTCTGGAGGCCCTGG
TCTGCAACGGATCTTCAAGGCATCATCTCTGGGGTCAGGACCCATGTGCCGTACCAGAAAGCCTGG
TGCTATACAAAAGTCTGCAAACTTTAACTGGATCCACGAGGTTATGAGGAACAAT

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG220500 representing NM_001177373
 Red=Cloning site Green=Tags(s)

MRRLKSDWKLSTETREPGARPALLQARMILRLIALALVTGHVGGETRIIKGYECPHSPWQVALFQKTR
 LLCGATLIAPKWLLTAAHCRKPHYVILLGEHNLEKTDGCEQRRMATESFPHPDFNNSLPNKDHRNDIMLV
 KMSSPVFFTRAVQPLTLSPHCVAAGTSLISGWGTTSSPQLRLPHSLRCANVSIIEHKECEKAYPGNITD
 TMLCASVRKEGKDCSQGDSGGPLVCNGSLQGIISWGDPCAVTRKPGVYTKVCKYFNWIHEVMRNN

TRTRPLE - GFP Tag - V

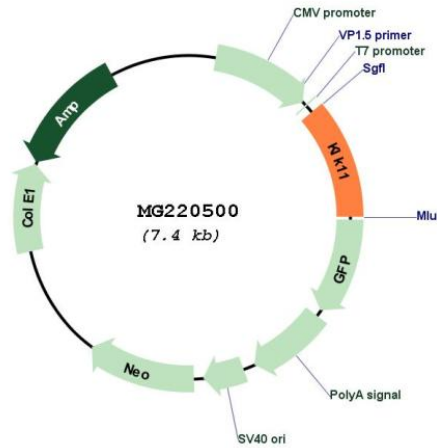
Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shutting:



Plasmid Map:



ACCN: NM_001177373

ORF Size: 828 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:	<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:	NM_001177373.1 , NP_001170844.1
RefSeq Size:	1319 bp
RefSeq ORF:	831 bp
Locus ID:	56538
UniProt ID:	Q9QYN3
Cytogenetics:	7 B3
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, May 2016]