

## Product datasheet for **MG215488**

### **Klk13 (NM\_001039042) Mouse Tagged ORF Clone**

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Klk13 (NM_001039042) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Klk13
Synonyms:	Egfbp-2; mGk-13
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG215488 representing NM_001039042 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGTGGCCCTAGTGGCTACCATCGCTTGCTGACCTTGGCCTTGTCCGAAGGAATCTCCCGGGACTACC  
CCAAGATTCTCAATGGTACCAATGGGACTAGTGGTTTTCTCCAGGTGGCTACACCTGCCTTCCCCACTC  
TCAGCCTTGGCAGGCAGCTCTACTGATCCGCGGACGACTTCTGTGGAGGGTTCTGGTTCACCCAAA  
TGGTACTCACAGCGGCTCACTGCAGGAAAGATGGGTACACAGTTCATCTGGGCAAGCATGCCCTGGGG  
GTGTGGAGAACGGTGAGCAGGCAATGGAGTGGTCCGCTCTATCCCCATCCTGAATACCAGGTCACCCC  
CACCCACCTGAACCACGACCATGACATCATGCTTCTGGAGCTGAAGTCTCCAGTCCAGCTCAGCAGCCAC  
GTCCGTACCCTGAACTCTCTGCAGATGACTGCCTGCCACTGGCACCTGCTGCCGTGTTTCTGGCTGGG  
GCACCACCACGCCCCAGGTGAATTATCCAAAACCTGCAGTGCGCCAACATTGAACTGCGCTCAGA  
TGAGGAGTGCCGGCAGGTGTACCCTGGGAAGATCACTGCCAACATGCTCTGTGCTGGTACCAAAGAAGGG  
GGAAAGGACTCCTGTGAGGGTGATTCTGGGGGCCACTGATTTGCAATGGCAAATCTACGGCATCATCT  
CATGGGGAGATTTTCCATGTGGACAGCCCAACCGACCTGGCGTTACACACGAGTCTCAAATACCTGCG  
TTGGATCCGGGAGATCATCAGAAACTCCAGAGCAGAGATGGACAAAGGGCACACAA

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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**Protein Sequence:** >MG215488 representing NM\_001039042  
 Red=Cloning site Green=Tags(s)

MWPLVATIACLTLALSEGISRDPKILNGTNGTSGFLPGGYTCLPHSQPWQAALLIRGRLLCGGVLVHPK  
 WVL TAAHCRKDGTYVHLGKHALGRVENGEQAMEVVR SIPHPEYQVTPHLNHDHDI MLLELKSPVQLSSH  
 VRTLKLSADDCLPTGTCCR VSGWTTTSPQVNYPKTLQC ANIELRSDEECRQVYPGKITANMLCAGTKEG  
 GKDSCEGDSGGPLICNGKLYGII SWGDFPCGQPNRPGVYTRVSKYLRWIREIIRNTPEQRWTKGTQ

TRTRPLE - GFP Tag - V

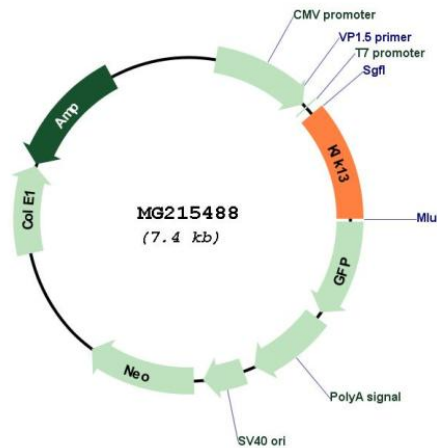
**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**

Cloning sites used for ORF Shutting:



**Plasmid Map:**



**ACCN:** NM\_001039042

**ORF Size:** 828 bp

<b>OTI Disclaimer:</b>	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. <a href="#">More info</a>
<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<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_001039042.2</a> , <a href="#">NP_001034131.2</a>
<b>RefSeq Size:</b>	1033 bp
<b>RefSeq ORF:</b>	831 bp
<b>Locus ID:</b>	626834
<b>Cytogenetics:</b>	7 B3
<b>Gene Summary:</b>	Kallikreins are serine proteases encoded by a cluster of highly related genes on chromosome 7. When genomic sequence became available, it was possible to clarify the gene-to-sequence relationship for this family. Until January, 2006, NM_010115 was called kallikrein 13. After that time, NM_001039042 was called Klk13 and NM_010115 was called Klk1b26. [provided by RefSeq, Jul 2008]