

## Product datasheet for **MG215587**

### **Kcnh6 (NM\_001037712) Mouse Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Kcnh6 (NM_001037712) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Kcnh6
Synonyms:	m-erg2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



[View online »](#)

**ORF Nucleotide Sequence:**

>MG215587 representing NM\_001037712  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGCCAGTCCGCAGGGGCCAGTTGCTCCCAAAACACTTACTTGGACACCATCATCCGCAAGTTTGAGG  
 GCCAGAGTCGTAAGTTCCTGATTGCCAATGCACAGATGGAGAAGTGTGCCATCATCTACTGCAATGATGG  
 CTTCTGCGAACTCTTCGGCTACTCCCGTGTGGAGGTGATGCAGCGACCCTGTACCTGTGACTTCCTCACT  
 GGCCCGAACACTCCGAGCAGTGTGTGCCCGCTGGCGCAGGCCCTGCTGGGGCTGAAGAGTGAAGG  
 TGGACATCTCTACTATCGCAAGGATGCCTCCAGCTTCCGCTGCCTGGTGGATGTGGTCCCTGTGAAGAA  
 CGAGGATGGGGCTGTATCATGTTTCATCTCAATTTTCGAGGACCTGGCCAGCTCCTGGCCAAGAGCAGC  
 AGCCGACGCTGACCAACGTTTGTGTACACAGCTTCTGGGCTCTGAGGGCTCTCACAGCAGGCCAA  
 GCGGACAGGGCCTGGTCCAGGCAGGGCAAGTATGGAAGTGCAGCCAGATCCCGCAGTTCACGCTCAG  
 CTTTGTGGAGTTCACCTGGAGAAGCACCGCTCAGGCTCCACCACAGAGATTGAGATCATCGCTCCCCAC  
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 TGCCAGAGTACAAGCTGCAGGCACCGCGCATTACCGAGGTACCATTCTGCACTACAGCCCTTCAAGGC  
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 CTGCTTAGCGACAGGAGCAGTACAGCGTGGTACCTGCGGCTATACCTGCAGCCCGCTCACCGTGGTGG  
 ACCTCATCGTGGATATCATGTTTGTGGTGGATATTGTCATCAACTCCGAACCACTACGTCAACACTAA  
 TGACGAGGTGGTCCAGCCACCCCGACGAATCGCCGCTCACTATTTCAAGGGCTGGTTCCTATTGACATG  
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 CGTCAAGTTCAAGACCACGCACGCGCCGCTGGGGACACGCTGGTGCACCTGGGGACGCTGCTTTCCACT  
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 GGGCCACCCCGGTACATCTTGGGGGCCCTGCCTCCAGTGACCTGGCCTTGTTCCTGAAACTTCAGTG  
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 ATCTCTGGTGGCGTCTCAGAACAAGAGCAGCCCAAGGGGCTCCTGTACCTCTGGCCTCACCTCTGTGT  
 CCCCTGGAAGTACAGGGACTGGGTGGTCCCACTTTTCTCCCTCCCTGAACACCTCAGTCCGTTCCCA  
 AGCAGCTGGAATCCAGAGACACGGTTCAGATCCTGGATTACAAGGAGT

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA

**Protein Sequence:** >MG215587 representing NM\_001037712  
Red=Cloning site Green=Tags(s)

MPVRRGHVAPQNTYLDTIIRKFEQSRKFLIANAQMENCAIICYNDGFCELFYSRVEVMQRPCTCDFLT  
 GPNTSSAVSRLAQALLGAECKVDILYRKDASSFRCLVDVVPVKNEGDGAVIMFILNFEDLAQLLAKSS  
 SRSLTQRLLSHSFLGSEGSHSRPSGGQPGPRGKYGTVSQIPQFTLSFVEFNLEKHRSGSTTEIEIIAPH  
 KVERTQNVTEKVTQVLSLGADVLPYKQLQAPRIHRGTILHYSFPKAVWDWLILLVVIYTAVFPTPYSAAF  
 LLSQDDSQRGTCGYTCSPLTVVDLIVDIMFVVDIVINFRTTYVNTNDEVVSHPRRIAVHYFKGWFLIDM  
 VAAIPFDLLIFRTGSEDETTTLIGLLKTARLLRLVRVARKLDRYSEYGA AVL FLLMCTFALIAHWLACIWIY  
 AIGNVERPYLEPKIGWLDLGAQLGKHYNGSDPASGPSVQDKYVTALYFTFSSLTSVGFGNVSPNTNSEK  
 VFSICVMLIGSLMYASIFGNVSAIIQRLYSGTARYHTQMLRVKEFIRFHQIPNPLRQRLEEFQHAWSYT  
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 PNPREKLDWCWPRELGFKLEQLQAQMNRLSRVSSDL SRILQLLQHPQGHPGYILGAPASSDLALFPETSV  
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 PLEVQGLGGPHFSSLP EHLSSVPKQLEFQRHGSDPGFTRS

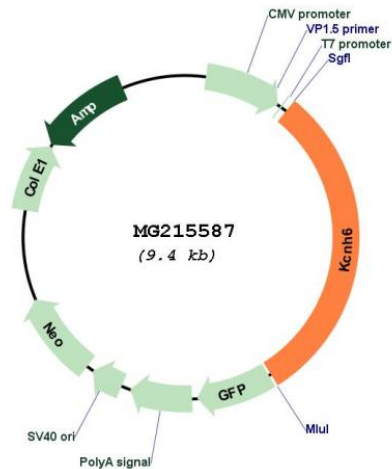
TRTRPLE - GFP Tag - V

**Restriction Sites:**

SgfI-MluI

**Cloning Scheme:**



**Plasmid Map:**


**ACCN:** NM\_001037712

**ORF Size:** 2850 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:**

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\\_001037712.2](#)

**RefSeq Size:** 2853 bp

**RefSeq ORF:** 2853 bp

**Locus ID:** 192775

**Cytogenetics:** 11 E1