

Product datasheet for **MG216477**

KIhI38 (NM_177755) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	TurboGFP
Symbol:	KIhI38
Synonyms:	8230402K04Rik
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence: >MG216477 representing NM_177755
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCGCGATCGCC

ATGGATGAGGAGTTACCAGATGGGGTTGTCTTCAAAGACCACAGCTTCTCCTGACTTGTTAAGACAGC
 TCAATGGCTTAAGACAAAGCAAGATCCTGACTGATGTGAGCATCTGCTCCGGGGCTGGGAGGTCCCTTG
 TCACCCGAGTGTGCTGGCTCCAGCAGCCCTACTTCAAGGCCATGTTCTGAGCCACTCCGGGAGAGC
 AGAGAGGCCAAAGTGCAGATGAAAGGCATCAGTCCACAACCTGGAGCAGGTCAATTACGTATGTGTATA
 CGGGAGAGGTTCAATCTCAGCTGCCAACGTCTCCCACTGATGGAGCTGCTGCCATGCTGCAGTATCC
 CCGGGTGTGGAGCCTGCTCCTCATACCTCCAGAGCCAGCTGGCCCCAGCAATTGCCTGGGCCTAGTC
 AGACTCGCAGAAATCTTAAGCTGTGACAGCCTTAAGAAGAAAGCGAAGGAGGTGGCCCTGACTTACTTCC
 CAGAGGTGGCAGCATCAGCTGACCTGAAGGAGCTCTGCCCATGGAGCTGAGGGACTACCTGGGAGATGA
 CAGGCTCTGTGGTGAAGGAGAAAAGGTGTCGAGGCCCTCATGGCTTGGGTGAAGCATGACCTTCAAGCC
 CGGTGGAGGCACATGCAGGAACTGCTGCAGCAGTCCGCTGCAGTACATCCACCCAGCCTTCTTCCATC
 ACTTCAATTGCCAATGACGCCCTCCTCCAGTCTCGCCTGCTTGGCAGGCCATCTGGAGATGGCCAGGAA
 ACAGATCTTCTCTTTGTATGGTCCCAGTGGCCAGGATTGTAACCTCCTATGGCGCATGCCCCAAGGAGC
 TCCTACCAAGACTTCTCCTCCTCTTGGGGACGGAAGACAACCAGCAGACCACCCAGGGATGTCTTGC
 TCTACAGTGGACAGACTGGCCAGTGGCAGAGCCTAGCCAAGCTTCCCATACGGTTGTACAAGCCTCAGC
 TGTACCTTGACCCGGAGCGTCTATGTGCTCGGGGCATGACTGTGAGTGAAGGAAAAGTCTCATTAGC
 TGTGGTGTGTATATCTTTTCTGAAACTCAACCAGTGGAGGTGGGGAGCCCATGCTGGCAGCCCGCT
 ACTCCACAGAAGCACCACCCACAGGAATTCATCTTCTCCATTGGGGTACTGGAGAAGGCAGGAGCT
 TCTGGCTCCATGGAGAGGTATGACAGCATCCGTGACGTCTGGGAGAGCATGGCTGGCATGGCAGTGGCT
 GTGCTCCACCTGCCGTAGCAGTGAAGGACCAAAGACTCTATCTTTTGGGGGTGAGGACATCATGCAGA
 ACCCTGTACGCTTATCCAGGTTTACCACATTTCCAGGAACACCTGGTACAAAAATGGAGACAAGGATGAT
 CAAGAATGTGTGTCCTGCACTGAGTGGTACTGGGGGAACAGATCGTCATTGTAGGAGGTTACACAAGGAGG
 ATTCTTGTCTACGATCCTCAGTCCAACAAATTTGCAAGTGTGCGGACATGAAAGACCGAAGGATGCACC
 ATGGGGCCACGGTATGGGGAACAAGCTGTACGTGACAGGTGGACGGCGCTGACCACAGACTGTAACAT
 CGAGGACTCAGTTCTTTGACTGCTACGACCCAGAGACGGACACTTGGACATCCAGGGACAGCTACCT
 CACAACTCTTTGACCATGCCTGCCTGACCCTCCAGTGCATACCCACATGACCAGCCTCTCT

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >MG216477 representing NM_177755
 Red=Cloning site Green=Tags(s)

MDEELPDGVVFKDHSFSSDLLRQLNGLRQSKILTDVSIKSGAWVPCHRVLAASSPYFKAMFCSHFRES
 REAKVQMKGISSTTLEQVITYVYTGVEVHISAANVPLMEAAAMLQYPRVFEACSSYLQSQLAPSNCLGLV
 RLAEILSCDSLKKKAKEVALTYFPEVAASADLKELCAMELRDYLGDRLCGEEKVFALMAWVKHDLQA
 RWRHMQELLQQVRLQYIHPAFFHHFIANDALLQSSPACQAIEMARKQIFSLYGPSAQDCKLLWRMPPRS
 SYQDFLLLLGGRKDNQQTTRDVLLYSGQTGWQSLAKLPIRLYKASAVTLHRSVYVLLGGMTVSEGKSLIS
 CGVYIFSLKLNQWRVGEPLAARYSHRSTHTRNFIFSIGGTGEGQELLASMERYSIRDVWESMAGMPVA
 VLPHAVAVKDQRLYLFGGEDIMQNPVRLIQVYHISRNTWYKMETRMINKVCAPAVVLLGEQIVIVGGYTRR
 ILAYDPQSNKFVKCADMKDRRHHGATVMGNKLYVTGGRRLLTDNCNIEDSASFDCYDPETDWTWSQQLP
 HKLFDHACLTLQCIPHMTSLS

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:


ACCN: NM_177755

ORF Size: 1743 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.

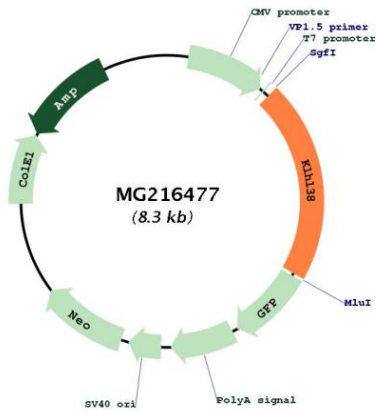
Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: [NM_177755.3](#), [NP_808423.1](#)

RefSeq Size: 2212 bp

RefSeq ORF: 1746 bp
 Locus ID: 268807
 UniProt ID: [Q8BSF5](#)
 Cytogenetics: 15 D1

Product images:



Circular map for MG216477