

Product datasheet for **MG216376**

KIhI29 (NM_001164493) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	TurboGFP
Symbol:	KIhI29
Synonyms:	A230106N14Rik; Gm68; Kbtbd9; mKIAA1921
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



ORF Nucleotide Sequence: >MG216376 representing NM_001164493
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCGCGATCGCC

ATGCCTGCTCAGGCCCTGTATGCCAGCCCTCAGCCCTGGCAGTATCCACTTTGCCTGGAGTAGGGCAGG
 TATCCCGCCCGGGACCCACCCCTGTGGCAACGGCCACATGGCAGGGCCCTGCTGCCTCCACCTCCACC
 AGCCCAGCCGTCGCCAGCTCTCCCCAGTAGTGTTCCTGCCACCAATGGGCCGCCACAACAGACTCGGCC
 CATGGGCTGCAAAATGCTTCGGACCATTGGAGTGGGGAAGTATGAGTTACCCGACCCAGGGCACCCTAAAG
 AAATGTTGAAGGAATTGAACAGCAACGCAGAGCGAAAGCATTACAGACCTGAAAAATTGTTGTTGAAGG
 CAGAGAGTTTGAAGTCCACCAAAATGTTCTAGCTTCTGCAGCTTGATTTCAAGGACCTGATTCAAAGG
 TCGGTGACGACAGCAGCCAGAGCAGCCGGGAGAAGTTGGAGCTGGTGTCTCCAACCTGCAGGCTGATG
 TCCTGGAGCTACTGCTAGAGTTTGTCTACACGGGTCGCTGGTTCATCGACTCAGCCAATGCCAAGACTCT
 ACTCGAGGCGGCCAGCAAGTTCAGTTTCACACCTTCTGCAAAGTCTGTGTCTTCTAGAGAAGCAG
 CTGACTGCCAGCAACTGTCTGGGAGTGTGGCCATGGCTGAGGCCATGCAGTGCAGTGCAGTCTACCACA
 TGGCCAAGGCCTTCGCGCTGCAGATCTTCCCCGAGGTGGCCGCCAGGAGGAGATCCTCAGCATCTCTAA
 AGATGACTTCATTGCCTACGTCTCCAATGACAGCCTCAATACCAAGGCCGAGGAGTGGTCTACGAGACT
 GTCATCAAGTGGATCAAGAAGGACCCAGCAACAGTGCACAGTATGCAGCAGAGCTCCTGGTGGCCGTC
 GCCTCCCGTTCATCCATCCCAGCTATCTGCTCAATGTGGTGGACAACGAAGAGCTGATCAAGTCAACAG
 AGCATGTCCGGACCTGGTCAATGAGGCTAAACGCTACCACATGCTACCCACGCCCGCAGGAGATGCAG
 ACACCCGAACCCGGCCCGCCTCTCTGCAGGTGTGGCCGAGGTTCATCGTTTTGGTTGGGGCCGTCAGA
 TGTTGGGATGACCCAGCGCTCACTGGTGGCTGTACCTGCTGGAACCCACAGAACAACAAGTGGTACCC
 CTTGGCCTCGCTGCCTTCTATGACCGCAGTTCTTCAAGTGTAGTGTGCTGGGGACAACATCTACCTC
 TCAGGTGGTATGGAATCAGGGGTGACGCTGGTGTGTCTGGTGTACATGTCCCTGTTGGATAACTGGA
 ACCTGGTCTCCAGAATGACTGTCCCTCGTGTGCCACAATAGTCTCGTCTATGATGGGAAGATCTACAC
 TCTTGGGGACTTGGAGTGGCCGCAACGTGGACCATGTGGAGAGTACGACTACTACTAACCAATGG
 GAGGACAGTAGCCCTCTGCCAAGGCGGTACATTCCGGCAGCGGCCACTGTGTGGTGGCAAAATCTACG
 TGTTTGGTGGCGTGAATGAGGCAGGCCGAGCGGAGGTGTCTCCAGTCTATGTGCCACAGACCAACAC
 GTGGAGCTTATTGAGTCCCAATGATAGACAACAAATATGCACCTGCTGTACCCTCAATGGCTTTGTG
 TTCATCTGGGAGGAGCTTATGCCAGGCCACCACCTACGACCCAGAAAAAGGCAACATCAAGGCGG
 GGCCAAACATGAATCACTCTCGGCAGTTCTGCAGTGCCGTGGTGTGCTCGATGGTAAAAATTTATGCTACTGG
 AGGCATCGTGCAGTGCAGGACCGCCCTGGGCAACATGGAAGCCTACGAGCCACAACCAACACATGG
 ACCCTCTTACCCACATGCCCTGTCTGTGTTTCCAGACCGGCTGTGTTGTGATAAAAAAGTATATTCAAA
 GCGGC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >MG216376 representing NM_001164493
 Red=Cloning site Green=Tags(s)

MPAQLYASQPPLAVSTLPGVGQVSRPGTPVGNHMGAPLLPPPPPAQPSAALPSSVPATNGPPTTDSA
 HGLQMLRTIGVGKYEFTDPGHPKEMLKELNQRRAKAFDCLKIVVEGREFEVHQNVLASCSLYFKDLIQR
 SVQDSSQSSREKLELVL SNLQADVLELLLEFVYTGSLVIDSANAKTLLAASKFQFHTFCVKVCSFLEKQ
 LTASNCLGVLAMAEAMQSEL YHMAKAFALQIFPEVAAQEEILSISKDDFIAYVSNDSLNTKAEELVYET
 VIKWIKKDPATRAQYAAELLA AVRLPF IHPSYLLNVVDNEELIKSSEACRDLVNEAKRYHMLPHARQEMQ
 TPRTRPRLSAGVAEIVLVGGRQMVGMTQRSLVAVTWNPNQNNKWYPLASL PFYDREFFSVVSAGDNIYL
 SGMESGVTLADVWCYMSLLDNWNLVSRMTVPCRHNLSVYDGKIYTLGGLGVAGNVDHVERYDTITNQW
 EAVAPLPKAVHSAATVCGGKIYVFGGVNEAGRAAGVLQSYVPTNTWSFIESPMIDNKYAPAVTLNGFV
 FILGGAYARATTIYDPEKGNIKAGPNMHSRQFCSAVVLGDKIYATGGIVSSEGPALGNMEAYEPTTNTW
 TLLPHMPCPVFRHGCVVIKKYIQSG

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:


ACCN: NM_001164493

ORF Size: 1965 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.

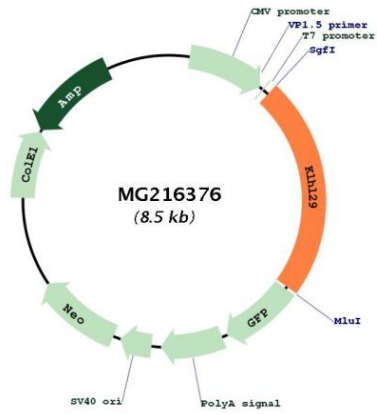
Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: [NM_001164493.1](#), [NP_001157965.1](#)

RefSeq Size: 7048 bp

RefSeq ORF: 2628 bp
 Locus ID: 208439
 UniProt ID: [Q80T74](#)
 Cytogenetics: 12 A1.1

Product images:



Circular map for MG216376