

Product datasheet for **MG216248**

KIHL6 (NM_183390) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	TurboGFP
Symbol:	KIHL6
Synonyms:	MGC118659
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



ORF Nucleotide Sequence: >MG216248 representing NM_183390
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCCGGATCGCC

ATGGCAGGACAAAGAGGCGCCTGCACCATGAGCGATGTGGTAGAGAGGAGCTTGAAGGACCCTTAGCAC
 TGACTACAGACAAGTCCTCCCAGAAAAGGGGAGACTTGGTGGAAATTAATACTGGGAGAAAGGTAATAATT
 TGACGACACGAGACTTTCTTTAATCTTCAGAACGGCCTGGAGACGCTGAGAGAGGAAAATGCTTTGACA
 GACGTCATCTTGTGTGGATGTTCAAGAAATCTCTTGCCATCGAGTGGTGTCTGTGCAGCCAGCAACT
 ATTTCAAGGCCATGTTCTGCAACGACTTAAAAGAAAAGTATGAGAAGAGGATCATTATTAAGGGGTGGA
 TGCTGAGACCATGCACACTCTCCTGGTCTACACATACACAAGCAAGGCTCTGATCACCAAGCAGAATGTT
 CAGCGGGTTCTGGAGGCTGCCAACCTTTCCAGTTTTTACAGCTGGTGGATGCCTGTGCCAGCTTTCTCA
 CAGAAGCATTGAACCCGAAAATTGTATTGGAATACTGAGGCTGGCAGACACACATTCTTTGGACAGTTT
 AAAGATGCAAGTCAAAGTTACATCATTCAAACCTTTGTTGAGATTCTGAATTCGAGGAGTTCCTTGAA
 CTTCTGTGGACACTTTGTACCACATCTTGAGGAGTGACGACCTGTGTGTGACTGAAGAGGCTCAGGTGT
 TTGAGACTGTGATGAGCTGGGTCCGGCACAAAATCAGAACGACTCTGCCTGTCCCTTGTGTCCTCGA
 GAATGTGCGTTTACCACCTCTGGATCCGTGGTACTTCGTGGAGATGGTTGAAGCAGACCCTCTTATTAGA
 CAGTGCCCTGAAGTCTTCCCGCTGCTTCAGGAAGCCAGGATGTACCACCTTTCTGGCAATGAGATCATT
 CGGAGCGCACCAAGCCCAAGGATGCATGAGTCCAGTCTGAGGTGTTTCATGATTATTGGCGGCTGTACAAA
 GGATGAACGATTTGTGGCAGAGGTAACCTGCCTGGACCCCTGAGGCGCAGTCGCTGGAGGTGGCCAAG
 CTCCCCTGACAGAGCATGAACTGGAGAGTGAGAATAAGAAGTGGTGGAGTTGCATGTGTGACATTAA
 AAAATGAGGTCTACATATCAGGTGGCAAAGAAACACAGCATGATGTTTGAAGTACAATCTCCATCAA
 CAAATGGATTGAGATCGAATATTTAAACATAGGTGCTGGAGGCATAAGATGGTTCGATTGGGTGGCAAA
 GTCTATGTAATGGGGTTTTGATGGCTTACAAAAGTCAACAATGTGGAGACATATGACCCCTCCACA
 ACTGCTGGTCCAGAGGCTGCACCCCTCCATGTCCATGTGAGTCTTTTGCAGCTACCAGCCACAAGAAGAA
 GTTGTATGTATTGGAGGAGCCCAATGGAAGCTTGCACAGACAAGACTCAGTGTATGATCCTTCC
 ACCAATAAATGGGTTTTGAAGTCAGCCATGCCAGTAGAGGCTAAATGCATCAATGCAGTGAATTTCCAGG
 ATCACATCTATGTTGTTGGTGGTCCATGAGAGCACTCTACGCTTATAGCCCTCTGGAAGACAGCTGGT
 TCTGGTGACACAGCTCAGCCATGAGCGAGCCAGCTGTGGCATCGCACCCCTGCAACAACAAGCTGTATATC
 ACGGGTGGGAGGACGAGAAGAATGAGGTCAATGCCACTGTGCTCTGCTGGACCCTGAGGCTCAGAAGC
 TGACTGAGGAATGTGTGCTGCCACGAGGAGTATCACATCATGGCAGTGTACCATCAGGAAGTCATATAC
 TCACATCCGGAGGTTGTCCCTGGAGCAGTGTCTGTG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >MG216248 representing NM_183390
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MAGQRGACTMSDVVERSLEGPLALTTDKSSQKRGDLVEILTGEKVKFDDTRLSLILQNGLETLREENALT
 DVILCVDVQEF SCHRVLAAAASNYFRAMFNDLKEKYEKRII IKGVDAETMHTLLVYTYTSKALITKQNV
 QRVLEAANLFQFLQLVDACASFLTEALNPENCIGILRLADTHSLDKMQVQSYIIQNFVQILNSEEFLE
 LPVDLYHILRSDDL CVTEEAQVFETVMSWVRHKQSERLCLLPCVLENVRLPLLDPWYFVEMVEADPLIR
 QCPEVFPLLQEARMYHL SGNEIISERTKPRMHEFQSEVFMIIGGCTKDERFVAEVTCLDPLRRSRLEVAK
 LPLTEHELESENKKWVEFACVTLKNEVYISGGKETQHDVWKYNSINKWIQIEYLNIGRWRHKMVLGGK
 VYVVGDFDGLQRINNVETYPFHNCWSEAAPLHVHVSSFAATSHKKLYVIGGGPNGKLTADTKTQCYDPS
 TNKWLK SAMPVEAKCINAVSFQDHIYVVGAMRALYAYSPLEDSWCLVTQLSHERASCGIAPCNKLYI
 TGRDEKNEVIATVLCWDPEAQLTEECVLPGRVSHHGSVTIRKSYTHIRRVVPGAVSV

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:


ACCN: NM_183390

ORF Size: 1857 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).

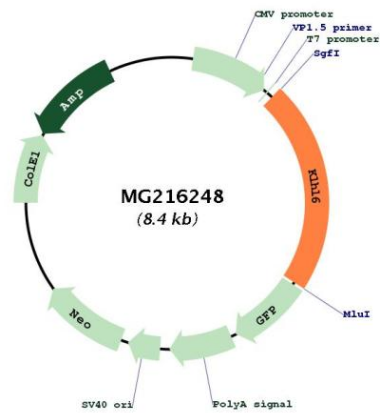
Reconstitution Method:

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_183390.3](#), [NP_899246.2](#)

RefSeq Size:	2405 bp
RefSeq ORF:	1860 bp
Locus ID:	239743
UniProt ID:	Q6V595
Cytogenetics:	16 A3
Gene Summary:	Involved in B-lymphocyte antigen receptor signaling and germinal center formation. [UniProtKB/Swiss-Prot Function]

Product images:

Circular map for MG216248