

Product datasheet for **RR214268**

KIhl12 (NM_153730) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	KIhl12 (NM_153730) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	KIhl12
Synonyms:	C3ip1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

ORF Nucleotide Sequence:

>RR214268 representing NM_153730
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGGCGCATTATGGCCCTAAAGACATAATGACAAATACTCACGCCAAGTCCATCCTCAACTCAATGA
 ACTCCCTCAGGAAGAGCAATACCCTCTGTGACGTGACCTTGAGAGTGGAGCAGAAAGACTCCCTGCCCA
 CCGGATTGTGCTGGCTGCCTGCAGCGATTATTTCTGTGCCATGTTCACTAGTGAGCTTTCAGAGAAGGGG
 AAGCCATATGTTGACATCAAGTTTAACTGCTTCTACAATGAAATCCTGTTGGACTTCGTGTATACAG
 AAACAGTACATGTGACAGTGGAGAATGTTCAAGAAGTCTCCCTGCAGCCTGTCTTCTCCAGTTGAAAGG
 TGTAACAACAGCCTGCTGTGAGTCTTAGAAAAGTCAGTTGGATCCATCTAATTGCCTGGGTATCAGGGAT
 TTTGCTGAAACTCACAATTGCGTTGACCTGATGCAAGCAGCTGAGGTTTTAGCCAGAAGCATTTCCTG
 AAGTGGTACAGCACGAAGAGTTCATTCTTCTGAGTCAAGGAGAGGTGGAGAAGCTAATCAAGTGCATGA
 GATTCAGGTGGATTCTGAAGAGCCAGTCTTTGAGGCTGTCATCAACTGGGTGAAGCATGCCAAGAAGGAG
 CGAGAGGAGTCTTTCCTGACCTCCTGCAGTATGTTCCGATGCCCTGCTGACCCCTAGGTACATTACAG
 ATGTGATTGATGCTGAGCCTTTATCCGCTGTAGTTTACAGTGCAGGGACCTAGTTGATGAAGCCAAAGAA
 GTTTCACCTGAGGCTGAACCTCGGAGTCAAGTCAAGGACCCAGGACAAGAGCCCGACTAGGAGCCAAT
 GAAGTGCCTTCTGGTGGTTGGGGCTTCGGAAGCCAGCAGTCTCCTATTGATGTGGTAGAGAAATATGACC
 CCAAGACACAGGAGTGGAGCTTTTTGCCAAGTATCACTCGCAAGAGACGGTATGTGGCCTCGGTTTCCTT
 ACATGATCGGATCTATGTGATTGGTGGCTATGATGGCCGTTCCCGCTCAGTTCAGTGGAGTGTCTAGAC
 TACACAGCAGATGAAGACGGAGTGTGGTACTCTGTGGCCCTATGAATGTGCGGCGAGGCCCTTCTGGAG
 CCACCACACTGGGAGATATGATTTACGTTTCTGGAGGCTTTGATGGAAGCAGGCGTCATACAAGTATGGA
 CGGGTATGACCCAAACATTGACCAGTGGAGTATGCTGGGAGATATGCAGACAGCTCGAGAGGGCGCGGGA
 CTAGTGGTGGCCAGCGGCATAATCTACTGTCTAGGAGGATATGATGGCTTGAATATATTAATTCAGTTG
 AGAAATATGATCCCATACAGGACACTGGACTAATGTTACGCCTATGGCCACCAAGCGTTCTGGTCTGG
 AGTAGCCCTACTGAATGACCATATTTATGTGGTGGGAGGGTTCGATGGTACAGCCACCTTTCTTCTGTT
 GAAGCTTATAACATTCGCACGGATTCTGGACAAGTGTACAAGTATGACCACACCAGTGTATGTAG
 GGGCCACAGTGTTCGAGGGAGACTCTATGCAATCGCAGGATACGATGGGAATTCCTGCTGAGCAGCAT
 TGAGTGTATGACCCTATCATCGACAGCTGGGAAGTAGTGGCCTCCATGGGAACCCAGCGTTGTGACGCT
 GGTGTGTGTCTCCGAGAAAAG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RR214268 representing NM_153730
 Red=Cloning site Green=Tags(s)

MGGIMAPKDIMTNTHAKSILNSMNSLRKSNTLCDVTLRVEQKDFPAHRIVLAACSDYFCAMFTSELSEK
 KPYVDIQGLTASTMEILLDFVYTETVHVTVENVQELLPAACLLQLKGVKQACCFLESQLDPSNCLGIRD
 FAETHNCVDLMQAAEVFSQKHFPEVVQHEEFILLSQGEVEKLIKDEIQVDSEEPVFEAVINVWKHAKKE
 REESLPDLLQYVRMPLLTTPRYITDVIDAEPFIRCSLQCRDLVDEAKKFHLRPELRSQMGPRTARLGN
 EVLLVGGFGSQSPIDVVEKYDPKTQEWFLPSITRKRYYVASVSLHDRIYVIGGYDGRSRLSSVECLD
 YTADEGDVWYSVAPMNVRRLAGATTLGDMIYVSGGFDGSRRTSMERYDPNIDQWSMLGDMQTAREGAG
 LVVASGIYCLGGYDGLNILNSVEKYDPHTGHWTNVTPMATKRSGAGVALLNDHIYVVGFDGTAHLSSV
 EAYNIRTDSWTTVTSMTPRCYVGATVLRGRLYAIAGYDGNLSLSSIECYDPIIDSWEVVASMGTQRCD
 GVCVLRK

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:


ACCN: NM_153730

ORF Size: 1704 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_153730.2](#), [NP_714952.1](#)

RefSeq Size: 1921 bp

RefSeq ORF: 1707 bp

Locus ID: 266772

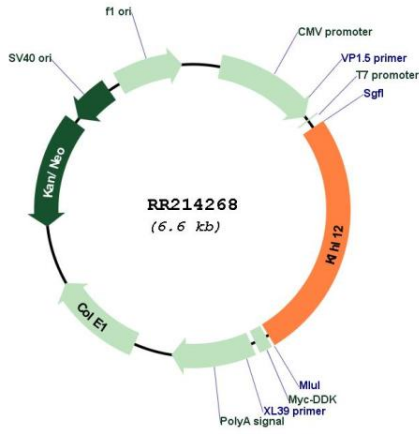
UniProt ID: [Q8R2H4](#)

Cytogenetics: 13q13

MW: 63.3 kDa

Gene Summary: contains several kelch domains [RGD, Feb 2006]

Product images:



Circular map for RR214268