

Product datasheet for **MC203927**

KIhl20 (NM_001039482) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	KIhl20 (NM_001039482) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	KIhl20
Synonyms:	AI504637; D930050H05Rik; Kleip; mKIAA4210
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >BC019571
 ATCCTGCCTGCGCTAGCGGCTCCAGAGGTGGAGGCAGAGAGGGCGGAGAAGGCAGAGAGGGTGCCGCAGA
 GAGAAAAGTGTCAAAGCCAGTACGGCTTTAGAACACGGTGAAGGATACTTTTCATGGTGCAGGGAAGGAA
 AGCCAATGCGCAGGTGTACCAACATTGACCCAGGAGAGACTGGAATGGATGTAACAAGCCGCTGCACCCCT
 TGGAGACCCCAACAAGCTGCCAGAAGGGGTTCCCAACCTGCTCGCATGCCCTATATTTTCAGACAAGCAC
 CCTCGGCAAACTTGAAGTGATCAACCTTCTGAGAAAGCACCAGGAGCTATGTGATGTGGTGCTAGTTG
 TGGGCGCTAAGAAGATATATGCCACCGCGTCATCCTGTCAGCCTGCAGCCCTACTTCCGAGCAATGTT
 TACAGGGGAGCTGGCAGAAAGCCGGCAGACAGAAAGTAGTGATCCGAGACATAGATGAGAGGGCCATGGAG
 CTCCTGATTGACTTTGCATATACCTCCCAGATCACTGTGGAAGAGGGCAATGTTTCAGACTCTCTTGCTG
 CTGCTTGCTCTCCAGCTGGCAGAAATACAGGAAGCCTGCTGTGAATTCTTAAAGAGACAATTAGATCC
 TTCTAATTGTCTGGGCATTGGGGCTTTTCTGACACACATTCTTGCCGTGAGTTGCTAAGGATTGCAGAC
 AAGTTCACCCCAACATAACTTTCAAGAGGTAATGGAGAGTGAAGAATTCATGTTACTTCCGGCCAACCAAC
 TCATTGACATAATATCTAGTGATGAGCTCAATGTTCCGAGTGAAGAACAAGTGTCAATGCAGTGATGGC
 CTGGGTCAAATACAGTATTCAGGAAAGACGGCCTCAGTTACCCAGGTGCTGCAACATGTTGCGCTGCCT
 TTGCTTAGTCCCAAGTTCCTGGTGGGCACCGTAGGCTCTGACCCCTCATTAAAAGTGATGAAGAATGCA
 GAGACTTGGTAGATGAGGCTAAAACTACCTCCTGTTGCCTCAAGAACGACCACTAATGCAAGGGCCAAG
 GACAAGACCACGGAACCTATCCGATGCGGAGAAGTACTCTTTGCAGTTGGTGGTGGTGCAGTGGAGAT
 GCCATTTCCAGTGTTGAACGCTATGACCCCAAGCAATGAGTGGCGAATGGTAGCTTCAATGAGCAAAA
 GGCGATGTGGAGTCGGGGTCAGTGTTCTTGATGACCTGTTATATGCAGTAGGCGGCCATGATGGATCCTC
 ATATCTCAATAGTGTTGAAAGATATGACCCCAAACTAACCAATGGAGCAGCGATGTGGCCCTACAAGC
 ACCTGCAGGACAAGCGTTGGTGTGGCAGTCCTTGGAGGTTTTCTCTATGCTGTGGGTGGACAGGATGGTG
 TCTCTTGCTCAATATAGTTGAGAGGTATGATCCAAAGGAGAACAAAGTGGACCCGGTGGCTTCAATGAG
 CACTAGAAGGCTAGGGGTGGCTGTGCGCGTGTGGGAGGTTCTTATACGCTGTTGGTGGCTCAGATGGA
 ACATCTCCACTTAACACAGTGGAGCGCTACAATCCTCAGGAAAACAGATGGCACACCATAGCGCCTATGG
 GGACCCGAAGAAAACACCTAGGCTGTGCGGTGTACCAGGACATGATCTATGCAGTGGGAGGAGAGACGA
 CACTACAGAGCTTAGCAGTGCTGAGAGATACAACCCAGAACTAACCAAGTGGTCTCCCGTGGTGGCCATG
 ACATCCCGCAGGAGTGGAGTCGGCCTGGCGTGGTCAATGGACAGCTTATGGCAGTGGGGGGCTTTGATG
 GCACAACATACTGAAGACCATTGAAGTTTTTGACCCAGATGCCAATACGTGGAGGTTATACGGAGGGAT
 GAATTACCGTCGGCTAGGAGGTGGTGTAGGAGTTATTAATGACACATTGTGAATCCCATATATGGTGA
 ACACAGGAAAAAAAAAAAAAAAAA

Restriction Sites: RsrII-NotI

ACCN: NM_001039482

Insert Size: 1815 bp

OTI Disclaimer: Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

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:	BC019571 , AAH19571
RefSeq Size:	1983 bp
RefSeq ORF:	1815 bp
Locus ID:	226541
UniProt ID:	Q8VCK5
Cytogenetics:	1 H2.1
Gene Summary:	Substrate-specific adapter of a BCR (BTB-CUL3-RBX1) E3 ubiquitin-protein ligase complex involved in interferon response and anterograde Golgi to endosome transport. The BCR(KLHL20) E3 ubiquitin ligase complex mediates the ubiquitination of DAPK1, leading to its degradation by the proteasome, thereby acting as a negative regulator of apoptosis. The BCR(KLHL20) E3 ubiquitin ligase complex also specifically mediates 'Lys-33'-linked ubiquitination. Involved in anterograde Golgi to endosome transport by mediating 'Lys-33'-linked ubiquitination of CORO7, promoting interaction between CORO7 and EPS15, thereby facilitating actin polymerization and post-Golgi trafficking. Also acts as a regulator of endothelial migration during angiogenesis by controlling the activation of Rho GTPases. The BCR(KLHL20) E3 ubiquitin ligase complex acts as a regulator of neurite outgrowth by mediating ubiquitination and degradation of PDZ-RhoGEF/ARHGEF11 (By similarity). [UniProtKB/Swiss-Prot Function]