

Product datasheet for **MC204589**

Kin (NM_025280) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Kin (NM_025280) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Kin
Synonyms:	Kin17
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)

Fully Sequenced ORF: >BC028860
 TGTAGCGCTCAGGGTCGCCATGGGCAAGTCGGATTTTCTGAGCCCCAAAGCCATCGCCAATAGAATTAAG
 TCCAAAGGGCTCCAGAAGCTTCGCTGGTACTGCCAGATGTGCCAAAAGCAATGCCGCGACGAGAATGGCT
 TTAAGTGTCACTGTATGTCTGAATCTCATCAAAGACAACCTGTTGCTGGCTTCAGAAAACCCCTCAGCAGTT
 TATGGATTATTTTTCAGAGGAATTCCGAAATGACTTTCTGGAACCTCTGAGGCGACGCTTTGGCACTAAA
 AGGGTCCACAACAACATTGTCTACAATGAATACATCAGCCACCGAGAGCACATCCACATGAACGCTACTC
 AGTGGGAGACACTGACCGACTTTACCAAGTGGCTGGGCAGAGAGGGCTTGTGTAAGTGGATGAGACACC
 GAAAGGCTGGTACATTCACTAGACAGAGACCCAGAAACCATCCGTCGGCAACTGGAATTAGAAAAA
 AAGAAGAAGCAAGATCTGGACGATGAAGAAAAAACTGCCAAGTTCATTGAGGAGCAGGTGAGAAGAGGCC
 TGAAGGGAAAAGAGCAGGAGACACCTGTTTTACAGAACTAAGCCGAGAAAAATGAGGAAGAAAAAGTTAC
 GTTCAATCTGAATAAAGGAGCGGGTGGCTCAGCGGGAGCTACAACATCCAAGTCAAGCTTTGGGACCA
 AGTGCCTGAAGCTGCTGGGAGCGCAGCATCCGGGAAACGGAAAGAGTCTTACAGAGCTCCGCCACGC
 CTGCGAAGAAGAAGTCCGCCCTGGATGAGATCATGGAGCTCGAAGAGGAAAAAGAAAGACCGCACG
 GACAGACGCCTGGTTACAGCCGGGGATCGTTGTGAAAATTATAACGAAGAAGCTTGGGGAGAAATATCAC
 AAGAAGAAGGGGTCGTTAAGGAAGTATTGACAGGTACACAGCTGTGGTAAAGATGACTGACTCTGGAG
 ACAGGCTGAACTGGACCAGACTCATTTAGAGACAGTCATTCCGGCCCCGGGAAAAAGGGTTCTAGTTTT
 AAATGGAGGCTACAGAGGAAATGAAGGCACTCTCGAATCCATCAATGAGAAGGCTTTTTAGCCACGATA
 GTCATTTGAACTGGACCTTTGAAAGGACGAGAGTTGAAGGATTCAATATGAAGACATATCTAACTTG
 CTTGAGTTTGAATTTGATAACAACACATTGAACTGTGAAGCATCAAATTTGATTTAGCCAAGGCAT
 GTGTAACCTACTGTGTTAGGGGATTTGTTTTGTATAAAAAAATCATCTATTTAAATACTAGTGAATAG
 TTGGGTAATTTATAATAAATCTATGTTTTTTAAGTGTCAAAAAAAAAAAAAA

Restriction Sites:	RsrII-NotI
ACCN:	NM_025280
Insert Size:	1176 bp



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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:	<ol style="list-style-type: none">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:	BC028860 , AAH28860
RefSeq Size:	1386 bp
RefSeq ORF:	1176 bp
Locus ID:	16588
UniProt ID:	Q8K339
Cytogenetics:	2 A1
Gene Summary:	Involved in DNA replication and the cellular response to DNA damage. May participate in DNA replication factories and create a bridge between DNA replication and repair mediated by high molecular weight complexes. May play a role in illegitimate recombination and regulation of gene expression. May participate in mRNA processing. Binds, in vitro, to double-stranded DNA. Also shown to bind preferentially to curved DNA in vitro and in vivo. Binds via its C-terminal domain to RNA in vitro.[UniProtKB/Swiss-Prot Function]