

Product datasheet for **MC221482**

Kifap3 (NM_010629) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Kifap3 (NM_010629) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Kifap3
Synonyms:	KAP-3; KAP3; SMAP
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >MC221482 representing NM_010629
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGCAAGCGAGGACGCCAGATACCTCAAAGGAAAGTTAAAGGGGGAATATTGATGTACATCCATCAG
AAAAAGCTCTCATTGTTCAAGTGAAGTGAAGCTACCATTCTTGGAGAAATGGGAGATCCCATGTTGGG
AGAACGAAAGGAATGCCAAAAATCATCCGCTCTGAAGAGTCTCAATGCTAACACAGACATCACCTCTCTG
GCCCGAAGGTGGTTGAGGAATGAAGCTCATCCATCCCTCAAAGCTAAGCGAGGTGGAGCAGCTTTTGT
ACTATCTACAGAACCGCCGAGACTCATTGCCGGAAAAGAAAAAGAAAAATCAAGCAAGCCTAAAGA
CCCACCTCCTTTGAAGGGATGGAGATTGACGAAGTGGCAACATTAATGACATGGACGAATACATTGAG
CTCTTGTATGAAGACATTCCAGATAAGGTTTCGGGGTCTGCCTTGATCCTACAGCTTGCTCGAAATCCTG
ATAACCTGGAAGAGCTATTATTAATGAACTGCCCTGGGTGCGCTAGCAAGAGTCTGAGAGAAGACTG
GAAACAAAGTGTGAGTTAGCTACAAACATCATTTATATCTTTCTTTTCTAGCTTTTCTCATTTT
CATGGACTCATCACTACTACAAAATTGGAGCACTGTGTATGAATATCATTGATCATGAGTTAAAAAGAC
ACGAGCTTTGGCAAGAAGAACTCTTAAGAAGAAGAAAGCTGTTGATGAAGACCTTGAATCAAAACATT
GAGAAAGGATTATGACAAAACCTTTAAAAATACCAAGGACTTGTGGTAAAAACAAGAGCAGCTACTGAGA
GTTGCTCTCTACTTGGCTTTTGAATCTTGCAGGACACACGTACAGAAGTGAAGATGAGGAACAAGAATA
TCGTTACATGTTGGTGAAGGCTCTTGATCGGGACAATTTTGGCTGCTGATTCTGGTCTGCTCATTCTT
AAAGAACTGAGTATTTTATGGAGAATAAAAAATGACATGGTAGAGATGGATATTGTTGAAAACTGGTA
AAAATGATACCCTGTGAGCATGAAGATCTCTGAATATCACCTCCGGCTCCTCTTAAACCTCTCGTTTG
ACACAGCCTGAGGAACAAGATGGTACAAGTTGGGCTTCTCCAAAGCTCACTGCCTCTGGGCAATGA
AAACTACAAACAATAGCAATGTGTGTCTTTACCATATAAGCATGGATGACCGCTTTAAGTCAATGTTT
GCATATACTGACTGCATACCACAGTTAATGAAGATGCTCTTTGAATGTTGAGATGAACGAATTGACTTGG
AGCTGATTTCTTTCTGCATTAATCTTGCTGCTAACAAGAGAAATGTCCAGCTCATCTGTGAAGGAAATGG
GCTGAAAATGCTCATGAAAAGAGCTCTGAAGCTCAAGGACCCACTGCTGATGAAGATGATCAGAAACATC
TCCAGCATGATGGGCCACTAAGAATTTGTTTATTGATTATGTTGGGGACCTTGAGCCAGATTTCCA
GTGATGAAGAGGAGGAGTTTGAATCGAGTGTGGGAAACGCTGGCAATCTGACAATCCAGATCTAGA
CTGGAACTGGTCTGAAGGAGTACAAGCTGGTCCATTCCTCAAAGACAACTAAAGCCAGGTGCCGCA
GAGGATGACCTTGTGTTTGAAGTGGTTATCATGATTGGGACGGTGTCTATGGATGACTCTTGCTGCTGCC
TACTGGCAAACTCTGGGATAATCCAGCCCTCATCGAGCTGCTGAACGCTCAACAAGAAGATGATGAATT
TGTGTGTCAAATAATCTATGTCTTCTACCAGATGGTGTCCATCAGGCCACAAGAGATGTCATAATCAAG
GAAACACAAGCTCCAGCATATCTCATTGACCTGATGCATGATAAAAAATGAAATCCGGAAAGTCTGTG
ATAACACATTAGATATCATCGCAGAGTATGATGAAGAGTGGGCCAAGAAAATTCAGAGTGAGAAGTTTCG
CTGGCATAACTCTCAGTGGTGGAGATGGTGGAGAGCCGTGAGCTGGATGAGAGCGAGCAGTACTTGTAT
GGTGTGATCGCATTGAGCCGTACATCCATGAAGGGGACATTCTTGAAGGCCTGACCTTTTCTACAAC
CAGACGGACTAATTACCTCTGAAGGAGCCATAAGTCCAGACTTCTTCAATGATTTTCACTCCAGAAATGG
AGATGTGGTGGGCAACACGCATTTCTGGCAGCACTGTCCATCCAAGGATTTCAAAGTCTTTGCAAGT
GTGCAC**TAA**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_010629
Insert Size: 2319 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).
RefSeq:	NM_010629.3 , NP_034759.1
RefSeq Size:	4027 bp
RefSeq ORF:	2319 bp
Locus ID:	16579
Cytogenetics:	1 H2.1
Gene Summary:	<p>The protein encoded by this gene is the non-motor subunit of kinesin-2 complex, and forms a heterotrimer with two members of the kinesin superfamily of proteins that together form a microtubule plus-end directed translocator that plays an important role in intracellular transport, mitosis, and cell-cell adhesion. This protein contains multiple armadillo repeats involved in protein binding, and may serve as an adaptor to regulate binding of cargo with the motor proteins. Conditional disruption of this gene in mouse neural precursor cells caused a tumor-like phenotype and defective organization of the neuroepithelium thought to be the result of altered N-cadherin subcellular localization. Alternative splicing results in multiple transcript variants encoding different isoforms. [provided by RefSeq, Mar 2015]</p> <p>Transcript Variant: This variant (2) contains an alternate exon in the 3' coding region and differs in its 3' UTR, compared to variant 1. The encoded isoform (KAP3B, PMID:8710890) is shorter and has a distinct C-terminus, compared to KAP3A.</p>