

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: | KA; KAP-3; KAP3; SMAP |
| Mammalian Cell Selection: | Neomycin |
| Vector: | pCMV6-Entry (PS100001) |
| E. coli Selection: | Kanamycin (25 ug/mL) |



[View online »](#)

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

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGCAAGCGGAGGACGCCAGATACCTCAAAGGAAAGTTAAAGGGGGAATATTGATGTACATCCATCAG
 AAAAAGCTCTCATTGTTCAAGTATGAAGTGAAGCTACCATTCTTGAGAAATGGGAGATCCCATGTTGGG
 AGAACGAAAGGAATGCCAAAAATCATCCGCTGAAGAGTCTCAATGCTAACACAGACATCACCTCTCTG
 GCCCGAAGGTGGTTGAGGAATGAAGCTCATCCATCCCTCAAAGCTAAGCGAGGTGGAGCAGCTTTTGT
 ACTATCTACAGAACC GCCGAGACTATTGCCGGGAAAAGAAAAAAGAAAAATCAAGCAAGCCTAAAGA
 CCCACCTCTTTGAAGGGATGGAGATTGACGAAGTGGCCAACATTAATGACATGGACGAATACATTGAG
 CTCTTGATGAAGACATCCAGATAAGGTTCCGGGTTCTGCCTTGATCCTACAGCTTGCTCGAAATCCTG
 ATAACTGGAAGAGCTATTATTAATGAACTGCCCTGGGTGCGCTAGCAAGAGTCTGAGAGAAGACTG
 GAAACAAAGTGTGAGTTAGCTACAACATCATTTATATCTTTCTTTTCTAGCTTTTCTCATTTT
 CATGGACTCATCACTCACTACAAAATTGGAGCACTGTGTATGAATATCATTGATCATGAGTTAAAAAGAC
 ACGAGCTTTGGCAAGAAGAACTCTAAGAAGAAGAAAGCTGTTGATGAAGACCTTGAAAATCAAACATT
 GAGAAAGGATTATGACAAAACCTTTAAAAATACCAAGGACTTGTGGTAAAAAAGAGCAGCTACTGAGA
 GTTGCTCTCTACTTGGCTTTTGAATCTTGCCGAGGACACACGTACAGAAGTGAAGATGAGGAACAAGAATA
 TCGTTCACATGTTGGTGAAGGCTCTTGATCGGGACAATTTGAGCTGCTGATTCTGGTCGTGCTATTCTT
 AAAGAACTGAGTATTTTATGGAGAATAAAAAATGACATGGTAGAGATGGATATTGTTGAAAACTGGTA
 AAAATGATACCCTGTGAGCATGAAGATCTCCTGAATATCACCTCCGGCTCCTCTAAACCTCTCGTTTG
 ACACAGGCTGAGGAACAAGATGGTACAAGTTGGGCTTCTCCAAAGCTCACTGCACCTCTGGCAATGA
 AAACACAAACAATAGCAATGTGTGTGCTTTACCATATAAGCATGGATGACCGCTTAAAGTCAATGTTT
 GCATATACTGACTGCATACCACAGTTAATGAAGATGCTCTTTGAATGTTGAGATGAACGAATTGACTTGG
 AGCTGATTTCTTTCTGCATTAATCTTGCTGCTAACAAGAGAAATGTCCAGCTCATCTGTGAAGAAATGG
 GCTGAAAATGCTCATGAAAAGAGCTCTGAAGCTCAAGGACCCACTGCTGATGAAGATGATCAGAAACATC
 TCCCAGCATGATGGGCCACTAAGAATTTGTTCAATTGATTATGTTGGGACCTTGACGCCAGATTTCCA
 GTGATGAAGAGGAGGAGTTTGAATCGAGTGTGGGAACGCTGGCAAATCTGACAATCCCAGATCTAGA
 CTGGAACTGGTCTGAAGGAGTACAAGCTGGTCCATTCCTCAAAGACAACTAAAGCCAGGTGCCGCA
 GAGGATGACCTTGTGTTAGAAAGTGGTTATCATGATTGGGACGGTCTATGGATGACTCTTGTGCTGCC
 TACTGGCCAAATCTGGGATAATCCAGCCCTCATCGAGCTGCTGAACGCTCAACAAGAAGATGATGAATT
 TGTGTGCAAAATAATCTATGTCTTCTACCAGATGGTGTCCATCAGGCCACAAGAGATGTATAATCAAG
 GAAACACAAGCTCCAGCATATCTCATTGACCTGATGCATGATAAAAAATAATGAAATCCGGAAAGTCTGTG
 ATAACACATTAGATATCATCGCAGAGTATGATGAAGAGTGGGCCAAGAAAATTCAGAGTGAGAAGTTTCG
 CTGGCATAACTCTCAGTGGCTGGAGATGGTGGAGAGCCGTGAGCTGGATGAGAGCGAGCAGTACTTGTAT
 GGTGATGATCGCATTGAGCCGTACATCCATGAAGGGGACATTCTTGAAGGCCTGACCTTTTCTACAAC
 CAGACGGACTAATTACCTCTGAAGGAGCCATAAGTCCAGACTTCTCAATGATTTTACCTCCAGAATGG
 AGATGTGGTGGGCAACACGCATTTCTGTCAGCACTGTCCATCCAAGGATTTCAAAGTCTTTGCAAGT
 GTGCAC**TAA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: Sgfl-Mlul
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). |
| 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: | NM_010629.3 , NP_034759.1 |
| RefSeq Size: | 4027 bp |
| RefSeq ORF: | 2319 bp |
| Locus ID: | 16579 |
| UniProt ID: | P70188 |
| 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> |