

Product datasheet for **MR218518**

Mak (NM_001145803) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Mak (NM_001145803) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Mak
Synonyms:	A930010O05Rik
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide
Sequence:

>MR218518 representing NM_001145803
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGAACCGATACACAACCATGAAGCAGCTGGGAGACGGCACGTATGGGAGTGTACTGATGGCAAGAGCA
ATGAGTCTGGGGAGCTGGTGGCAATCAAGAGGATGAAGAGAAAGTTCTATTCTTGGGATGAGTGTATGAA
CTTGCGAGAAGTTAAGTCCCTGAAAAACTCAATCACGCCAATGTGATTAATACTAAAAAGATTATCAGA
GAGAATGACCATCTTTATTTGTATTTGAATATATGAAAGAAAACCTCTATCAGCTAATGAAAGACAGAA
ACAAACTGTTCCCTGAGTCAGTCATCAGAAATATTATGTATCAGATACTACAGGGGCTGGCATTTATCCA
TAAACACGGCTTTTTTTCACAGGGACATGAAACCTGAGAACTTGCTCTGCATGGGCCAGAGCTGGTGAAG
ATTGCTGATTTTGGACTTGAAGAGAATTAAGATCACAGCCACCATACTGACTATGTGTCTACCAGAT
GGTACCGGGCTCCTGAAGTCTTACTAAGGTCTTCGGTGTACAGCTCTCCCATTGACGTGTGGGCCGTGGG
AAGTATAATGGCCGAGTTATATACATTTAGGCCGCTTTTCCAGGGACAAGTGAAGTTGATGAGATCTTT
AAAATCTGCCAAGTGTTAGGGACTCCCAAGAAGAGTGACTGGCCGGAAGGATACCAAGCTTGCATCCCTCCA
TGAACCTCCGCTTTCCCAAGTGCATTCCCATCAACCTAAAACTCTCATTCCCAATGCCAGTAGCGAGGC
CATCCAGCTCATGACAGAGATGTGAACTGGGATCCAAAGAAGCGACCAACAGCAAGCCAGGCACTGAAA
CACCCATATTTCCAAGTCGGTCAGGTAAGTGGGCTCTTCTGCACACCATCTGGATACAAAACAGACTTTAC
ACAAGCAGCTGCAGCCTCTGGAGCCAAAGCCATCTTCTCTGAACGGGATCCTAAGCCTTTGCCAAACAT
ACTTGATCAGCCTGCCGGGCAGCCCCAGCCAAAACAGGGCCCAACCACTGCAGACCATTACGCCACCA
CAGAACACAGTACTCACCCACCCCAAGCAGCAGGGTCACCAGAAAACCACCACAAACCATGTTTCCAA
GTATCATCAAAACCATCCCAAGTGAATTCAGTCAGCACCTGGGCCATAAGGGAGCCCGGAGACGGTGGGG
TCAGACAGTCTTCAAGTCTGGAGACAGCTGTGACGACATTGAGGACGACTTAGGAGCCTCCCACTCCAAG
AAGCCAAGCATGGAAGCCTGCAAGGAGAAGAAGAAGGAGTCTCCATTTTCGGTTTCCAGATTCAGGACTCC
CAGTCTCCAATCACTTTAAGGGGAAAAATAGGAATTTACATGCATCTGTTTCTTAAAAATCTGATCCAAA
CTTGTCAACTGCTTCAACGGCTAAGCAGTACTATTTGAAACAATCAAGATACCTTCCAGGTGTGAACCCC
AAGAATGTGTCTTTGGTAGCTGGAGGCAAGGATATAAATTCACACTCTTGGATAATCAGCTATTTCTTA
AGTCGCTGGGATCCATGGGGCGGACCTTTCTTCAAGAGGAGTAACGCAGAAGACAGCATAATTAACCC
GATTGAAAACCTGTCATGCACTGGGAAGTCTGCCGAGCAGCTAGAGGACCCACAAGGAAACCTTGGGAGC
TACACCCTTACAACCAGACGGGATACATGCCTTCTTTCTCAAGAAAGAAGTGGGATCAGCTGGCCAGA
GGATCCAATTGGCACCTTTAGGTGCGTCGGCTTCGGACTATACCTGGAGCACAAAACCTGGACGAGGCCA
GTTTTTCGGGACGAACTTACAACCCACAGCCAAAATCTCAATATTGTGAACCGCACACAGCCAGTCCCC
TCGGTACACGGGAGGACAGACTGGGTGGCTAAGTATGGAGGCCACCGG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

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_001145803.1](#), [NP_001139275.1](#)

RefSeq Size: 3562 bp

RefSeq ORF: 1941 bp

Locus ID: 17152

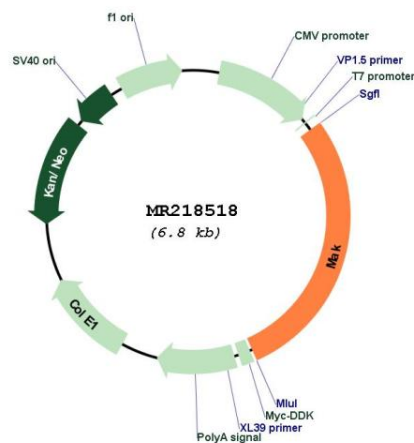
UniProt ID: [Q04859](#)

Cytogenetics: 13 20.25 cM

MW: 73.2 kDa

Gene Summary: Essential for the regulation of ciliary length and required for the long-term survival of photoreceptors. Could have an important function in sensory cells and in spermatogenesis. May participate in signaling pathways used in visual and olfactory sensory transduction. Phosphorylates FZR1 in a cell cycle-dependent manner. Plays a role in the transcriptional coactivation of AR (By similarity).[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR218518