

Product datasheet for **MC206091**

AA536717 (BC080849) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	AA536717 (BC080849) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	AA536717
Synonyms:	mKIAA0974, MGC32264
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >BC080849
 GGCAGACGGGGCGAGACGGGGCCGGTAGGTGGCAGGAGGGGGCCGGCCGGAGCCGGCGGGAGGGCCAG
 GCCCCGAGGCCCCCGCCCTGGCTTGCCCGCCCTGGCCGCAGAGGAGAAAAAGGAGGATGATCTCCAGATA
 CACTCGGAAGGCCGTGCCGCAGAGCGTGGAGCTGAAAGGACTAACAAAGCACGCTCTTAACCACCACCCC
 CTTCCAGAGCGACTGGATGACATTTCTCTACCAACAACAGCCATGGAAAAGATAACAAGTTCTCACAGTG
 AATCTGACATCACCCAAGAATCACCCATTACATCAACTGACACTGGGAATTCGAATTCGCGTTCTGCTTT
 TCCAAGCTACGCAGGCACAGGGGTCTCAACAGAAGGCAGCTCCGACTTCTTTGGGGATATGGTGAACCT
 GACCAGAATGCCACTGAGAAAAGTGCAGGCCATGTTTACAGCCATCGACGAGCTCCTGTATGAGCAGCAGC
 TGAGCGCACACACAGGGCCTGCAGAAAAGAGTCCAGCAGTGGGCGGCCAGCTTCCCTCACCTCAGGAT
 TCTGGGTAGGCAGATAAATACTCCGAGTGAAGGCTATGGATTGTACCCTCGATCCCTTCTGCTGTGTCA
 GCTTCACATGAAGCAACCTTGTCTCAAGAAAGAGAGTCTACCATAATTTGGTATAAGGGGAAAGAAGTTAC
 ATTTTTCATCTTTATAAACCATCCCCACCATCAAAGCCTCCGGCTTGTGTGCAGTTGGAGGAGAGGA
 GGCAGACTGTATAATCTTTCTGAAGGGTAATCGAGGAGTACCTAGCTTTTGACCACACGGATATGGAA
 GAGGGATTTTCATGAAAACAAATCAGAAGCAGCTACAGAGAAACAGAAGTTAGGGTACCCTCCATTGCGC
 CATTTCACTGCATGAAAGAGGATGTTCTTGTCTATGTGTTTGACAACGTGTGGAGCAAGGCTGTGGGCTG
 TATGGAGCAGTTGACCGTAGTCACTGGGAGGGATGTGCTTCTGATGATGAGAGTAACGTTGAAATTACC
 AGACTGGATTTCAGGAAGTCCCTATGTGCTGAACGAACAGCATCCTTTGGTCTTACCTCGAGTGCCGCACT
 CTAAGTGGCGTCTATCACCTCAAGTCCGATGAGTTTCTGTCAAGCAAGCGGTCTCAGCCAAACGTGAG
 TGGCCTCTTGATTCATGGGATGCCTCTACAGCCAAGGAATCTCTCCCTGATGGACAAGCTCCTAGATCTT
 GATGACAAGCTACTTACGAGGCCGCGTCCAGTTCCGCTCTTCAAACCGAAATTGGCCAAACCGTGCCA
 TGGAGCTTAGTACATCATCTTTGTATATAACAACGAGTCTGCCAGGAGGCGCAATCCCCACCACGTAC
 CCTTCATCCGATCAGCACAAGCCACTCACGCGCTGGAACACCATGGCCTGTAGAAGAAATCCTCAGAGGA
 CCCCGGGTCCAGTGACAGCAGACACACTGTCTTCTCCCTCTCCAATGACCTTGGTTCGGAACAATCTGC
 TGCCACCTATTGGAACAGTTGAAGTAGAACACCTGAGCGCCATGGGGCCACAGCGCCAACAAAATCCCA
 TGGTGACTCCAGCCGAGCCGAAGTGCAGTGGTAGACGAGCCTAACCCAGCAGCCCAAGAGAGGCTCCTT
 TTGCTGTCTTCTCTAGACCCAAACAACACTCAGTCGTTTCTGCCAGACACACAGTACCGAAGTTCATGTG
 CATCTGAGTATCCTCATCAGGCCGACCTGGCAGGGGCTCTGCAGGTCCTCAGTCACATGGGTCTACAAA
 ACCTCAGAGCAGAGGTGGACCCATCTCTAGAACCAGGCAATGACCACAGGGCAAGTGAGAACCTGCAAGG
 TTGCAGCAGACTTGGGAGCACATGGAGGCTTTTCATGCCCCAGCATTAGGCACCCGATGATGCACAGCT
 CCTGCAAAACAGCAGCTTGGTCCGTCAAGTTATCTTGGTACAAGTGTCCGAGAAATACTACAGAGTATCTG
 CCAAAGACTGCACTGGTAACTAAGTGTCTGCATGCAGTACTGTCTTTTCAGCTTTAGTTAACCTAC
 TCCATGGGGCAGTAAAGATTGTACCCAAAGACTTGACAATGGAACACCCCAATCACTGCTCATGTT
 GTCTGTAACATAATCACCAGTTCAATTCTTGTACAATTCAGTGAGATTACATACACACAAATGATTAGAT
 CACTGGGTTTCAGAATATTTCTGTTTATATTGATTCTGGAGAAGTGCAGTCTTAAACATATTTTATG
 GAGAAAGTGCTGCCAACAAATCTGATATATTCATCAAATAAATGTCATTCTTAAACTTTAAAAAAAAAAAAA AAAAAAAAAA

Restriction Sites: Ascl-NotI

ACCN: BC080849

Insert Size: 1737 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.

RefSeq: [BC080849](#), [AAH80849](#)

RefSeq Size: 2391 bp

RefSeq ORF: 1737 bp

Locus ID: 105428

Cytogenetics: 14 A3

Gene Summary: Involved in the localization of proteins to the cilium and cilium assembly. Indirectly regulates the signaling functions of the cilium, being required for normal SHH/smoothened signaling and proper development.[UniProtKB/Swiss-Prot Function]