

Product datasheet for **MC206229**

Mylip (BC010206) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Mylip (BC010206) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Mylip
Synonyms:	MGC11702, Mir
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >BC010206
 GGAGCAATTGCGGTGAGGCGACAGCCCCGGCGCACACCCGAGAAGAAGCGGCGGTGGCGGCGGCCCCAGC
 CATGCTGTGCTATGTGACGAGGCCGGACGCGGTGCTGATGGAGGTAGAGGTGGAGGCAAAAGCCAACGGC
 GAGGACTGTCTCAACCAGGTGTGACGGCGTCTAGGGATCATCGAGGTTGATTATTTTGGGCTGCAGTTCA
 CGGGGAGCAAAGGTGAGAGCTTATGGCTGAATCTGAGAAACCGGATCTCCAGCAGATGGATGGGCTGGC
 ACCTTACCGCCTTAAACTGAGGGTCAAGTTCCTTGTGGAGCCTCATCTCATCTTACAGGAGCAGACAAGG
 CATATCTTTTTTGCACATTAAGAGTCCCTTTGGCAGGCCACCTCCAGTGTCTGCAGAGCAGGCCG
 TGGAACTCAGTGCCTCCTGGCTCAGACCAAATTTGGAGACTACAACCAGAACACCCGCCAATACAGCTA
 TGAGGACCTGTGTGAGAAAGAGCTCTCCAGCTCCACTTTGAACAGCATCGTTGCGAAGCATAAAGGAGCTG
 GAGGGCATCAGCCAGGCCTCTGCCGAGTACCAGGTTCTGCAGATTGTGTGAGCGATGGAGAACTACGGCA
 TAGAGTGGCATGCTGTGAGGGACAGCGAAGGACAGAACTCCTCATTGGGGTGGACCTGAAGGCATCTC
 GATCTGTAAGAGGACTTTAGCCCTATTAACAGGATAGCTTATCCTGTGGTGCAGATGGCCACCCAGTCA
 GGAAGAATGTCTACTTGACCGTACCAAGGAGTCCGGCAACAGCATCGTCTCTGTTTAAAGATGATCA
 GCACCAGAGCAGCCAGCGCCTCTACCGAGCCATCACCAGAACACATGCATTCTATAGGTGTGACACAGT
 CACCAGTCCCGTATGATGCAGTACAGTCCGACCTGAAGGGCCACTTGGCGTCTCTGTTTCTGAACGAA
 AACATTAACTTGGTAAGAAATACGTCTTCGACATCAAGAGAACATCCAAGAGGTCTATGACCATGCCA
 GGAGGGCTCTGTACAACCGCGGCTTGTGGACCTTGTCTCTCGAAGTGACCAGAGCCCCCCCAGCTCACC
 CCTGAAGTCTCAGACAGCAGCATGAGCTGCAGCAGCTGTGAGGGCCTCAGCTGCCAGCAGACCCGGGTG
 CTGCAGGAGAAGTGCACAAGCTGAAGGAAGCCATGCTGTGTATGGCGTCTGCGAGGAGGAGATCAACT
 CCACCTTCTGCCCTGCGGCCACACTGTGTGCTGCGAGAGCTGTGCAGCCAGCTGCAGTCTCTCAATCTGACT
 GTCATCTGATGCTCCTGCACCTGATGGACAAGCCATGTCCCAACAAGCTGCAGTATTGTAACATAAAG
 AATAATAACTTTGTGAAGAGCTATTTCACTCTCAACACCCATCTGCCATGAGACATTTTCAGAAACAGG
 AGGAAAAGAAAACAAGAATGTGACCACACCTTCCCGTGAGGAGAAGCAACAGGCCCCATGGCCACCAGG
 AAGAACTCTGGGACACGGACACATTCTTGAACCTTGGGTTGGTTTTTTTTTAAATGATCAAGTAAAGG
 AGTAGATAGAATCGTCTTCGTCAGTCAAGTGGCAACATGGCCCAACCGTGGGCACCTTTTAGGAAATGAC
 GTCATATGTCTCCTTCACTTTTTCCCGGGCAGCATTGTAAAGTGTTTTAAAGGATTTTCTTGGTCTTT
 TTGTATGGTCATGGAGCGCTGAATATTTTAAAGGGATTTTTTTTCTTAAAGAAATAGTCTCATTATA
 AAAGTCATTTCTGTCTTTATAACTATTCAAGAACAACGGAAAAGCTGGCAGATTGAAAAAAAAAAGC
 AATCCTGTGACTTCCAAGGGTTGACAGCAATGTTGTCAGATTGGAAGCAGTCTGGCTGAGAGCCAATAG
 GTAACACACCGTGGGTGACTTCCCTCCTAGAGCCCTCCGTTTCCCTCATTCCACACCCCATGCCTTTC
 ACTGATAAAAATGCTACCAGTTTGGTTAAGAGACATACATGGTAGAGTCAAGCACTCCCTGGGCTTTGGA
 GATTGGAAGCGAGAGTACCTTCTTGAAGGAAAAGATGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG
 AGAGAGAGAGAGAGAGAGAGAGAGAGATGAGCCAGAGAGCCACTCAGTATGCCCGAGTGGTCTTCACTT
 TCCAAGCACTCACTCCAGCTGCACCCATGGGTGTGCGCTTGGTTGAAGATCAAACCTTTCTACAGCCTTA
 TAGGTTTCTAGATAGTGTCTCCTTTTTGTGTATGTCTTGTCTCGTTGTTTCGAGTTTTCTATGTCAGT
 GCTTCCATACTCATTGTCTGCCCTCGGTGTCTTCCAGAGGTAGGGCTACTTCTTTATGTTTCCATAT
 TCTAAGTTTTACCCCACTTGGGCATTTTGGATGCTAGTGAGCTAGGGGTTTTCTAGGGTGTGAGGAA
 ACCTAGCTGACCTCATCGGGTGAATACTAGCTAAGTTAAAGCTAGAAGCCTACACTGTCACTTTACTGA
 GATTTCTGAGTCTACGTTTCATATTGCCTTAATGTAGCAGTAATGTGTTTATGCATTTGTTTCTTTGCAC
 AGACATTTTGTGAGATATTAACACTACTTTTTTATGGCACATATTAGCATATAAGCCTTTATTCCAAG
 AGGATTTATTTTTTCACTTGTAAAAAAATAATGTTTCCACATTTAAAAAAAAAAAAA

Restriction Sites: RsrII-NotI
ACCN: BC010206
Insert Size: 1338 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:	BC010206 , AAH10206
RefSeq Size:	2859 bp
RefSeq ORF:	1338 bp
Locus ID:	218203
Cytogenetics:	13 A5
Gene Summary:	E3 ubiquitin-protein ligase that mediates ubiquitination and subsequent proteasomal degradation of myosin regulatory light chain (MRLC), LDLR, VLDLR and LRP8. Activity depends on E2 enzymes of the UBE2D family. Proteasomal degradation of MRLC leads to inhibit neurite outgrowth in presence of NGF by counteracting the stabilization of MRLC by saposin-like protein (CNPY2/MSAP) and reducing CNPY2-stimulated neurite outgrowth. Acts as a sterol-dependent inhibitor of cellular cholesterol uptake by mediating ubiquitination and subsequent degradation of LDLR.[UniProtKB/Swiss-Prot Function]