

Product datasheet for **MC221260**

Nyap2 (NM_172849) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Tag:	Tag Free
Symbol:	Nyap2
Synonyms:	943003I16Rik; Jr6; Kiaa1486
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



Fully Sequenced ORF: >MC221260 representing NM_172849
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTGCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCGCGATCGCC

ATGATACCATCCAAGATGATGAGTGCTAATCCTGAAGAAGACCCTCTGGACACCTTTTCCAATATATTG
 AGGATATGGGAATGAAAGCATACGATGGCCTGGTTATTCAAATGCATCCGACATTGCTCGCGAGAATGA
 TCGCCTGAGAAATGAGACAAACCTGGCTTACTTGAAGGAGAAGAACGAGAAACGTCGACGACGAGGAAGAA
 ACAATCAAACGCATAGGAGGAGAAGTGGGGCGAGGCCAGGACGCCAGTTACGCGGGCAAGCATTTCCGCA
 TGGGGTTCTATGACGATGCCTGCACCTCAGGACAGACTCCCACATCCCTGCTCCAGTGGCTTCACTGTGAG
 ATCTCAGTCCCTGCACTCTGTAGGGGGCACTGAAGATGACAGCAGCTGTGGATCACGAAGACAACCACT
 CCCAAGCCCCAAGCGAGACCCAGCACTAAGCTTAGCACTTCGTCTGAGACAGTCAACAGCACTGCAGCCA
 GTAAGAGTGAAGATCTCTGGAGAGAGCAGAAGGTAATTCACCGTTCTGCTTCCCACTCACCTCCAAG
 GGCTTCAACTTCAGGACACCTGTTTCTTCCCCTGGGTCAGGAACGAAACATCAAGGTGTCTGCCAAG
 CCAAGACCCACAGTGATGAATATTCAAAGAAAATTCCTCCCGAAACCAAAACGGAATCCTAATACTC
 AACTTAGCAGCTCTTTCGATGAAACCTACATCAAAAAGCATGTGCCAAGGAGAACCTCTCTCCCGCGAGA
 TTCATCCCTGTCCAGGTTTGCAGCCCCGCGCAGACCCCAAGAAGAGAGGCTGTGTACATCGAGATG
 GTGGGAACATCCTCAGAGACTTCAGGAAGGAAGAGGATGACCAGAGCGAGGCTGTGTATGAGGAGATGA
 AATATCCCATTTTCGACGACCTGGGCCATGATTCCAAATGTGACTTTGATCATCACAGTTGCTCTTCGCA
 GTGTGCTACTCCCACGGTGCCTGACCTGGACTTTGTCAAGTCTTCAGGACCATGTACTCCCAAGGGTCTG
 CTTTGTGACATACCCCGCCCTTCCCAACTTGCTTTCTCATAGACCACCCCTGCTGGTGTTCACCCCGG
 CCCCAGTACACTGCTCTCCAATTCGATGAGTCTCCTGACCCCTCTGGAGGTCAAAAGCTTCTGT
 GTTGAAAAACGTGTCTTACATGAAACAGCCACCTGGAGCATGTCCATCCTCACTGCCATCTCATGGCTCC
 AGCCATGCTAAAGACCAGACAGGAGCCTTGGGTCTGCTCCTGGAGCATCCATTCTCTCTTCTTCCCTC
 CACCTCCATCCACTTTGTACAGAACCAGTCTCCCCATGGCTATCCAAAAGTCACTCCACCTCCCCATC
 CCCTGAAGCATGGGAGGTCCCTGACGCCCTTGAGTCTCAAGAGGCCTCCCCCTTATGATGCTGTGCAT
 TCTGGCAGCCTCTCAAGGAGTTCTTCTCAGTGCCTCACACGACCCCAAGACCCGTGTACAGGATGGGG
 CCAAGATGGTCAATGCTGCGGTGAATACATACAGCGCTGCGCAGAGTGGGTCCAGGTCCAGGACACCCAC
 CAGTCTTTTGAAGAGCTCACAGCCTCTTACCTCAGGGCGAGCCTGCTGCGGAAGTCATCCAGCGGC
 CGAAGGTCCAAAGAGCCAGCAGAGAAATCCACAGAGGAGCTGAAAGTTCGAAGCCACAGCAGGAGCCGT
 TACCAAAGTTGGACAGCAAAGAGAGAGGTCAATTATGGATCGTCTTCTCTAGAGAGCCAGTGAAAGCTCA
 AGAATGGGATGGAACCCGGGTCCACCTGTGGTCACAGCAGAATGGGCAGATGCTCTGTGAGCCCCACA
 CTGTTGGCAGGAACACAGCTCAGGTAAGCAGACCTGTCTTCCAATGGCTCGAAAAGTCTAGAAG
 CTGCTCATATGCAGATACACTTAGGAAACCATCACCTCAGTCACTTCCACCCAGACTGGCACC
 CCAGACACACATTAAAGGAGTAGACACATGAAGAATGCCACGGTACCACTATTATAGCGATGGCAAGG
 GAAACGATGCTTCTTGAAGCTTGTGTGAGCAGTCTACAGTTAGGAAAGACTTTGTACCAATGTCTT
 CAAAAATGACTACAGGCCTTAAGTCAAGCCACTGCAATTTATGA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_172849

Insert Size: 2214 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.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	NM_172849.3 , NP_766437.2
RefSeq Size:	4919 bp
RefSeq ORF:	2214 bp
Locus ID:	241134
UniProt ID:	Q8BM65
Cytogenetics:	1 C5
Gene Summary:	Activates PI3K and concomitantly recruits the WAVE1 complex to the close vicinity of PI3K and regulates neuronal morphogenesis.[UniProtKB/Swiss-Prot Function]