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Product datasheet for MC204870

Nrarp (NM_025980) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Nrarp (NM_025980) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Nrarp
Synonyms:	2700054M22Rik
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)

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Fully Sequenced ORF:

>BC069891
GCCGAGGCGTACCTCGAGACACGCCCCGAGACAGCCCGGGGCCCGCACTGCAGCCGCCGCCCGCGCTAAG
CCGGGGCGCGGCTCGCAGCCCTAGCTCTGCGGCAACATGAGCCAAGCCGAGCTGTCCACCTGCTCGGCGC
CACAGACGCAGCGCATCTTCCAGGAAGCGGTGCGCAAGGGCAACACGCAGGAGCTGCAGTCGCTGCTGCA
GAACATGACTAACTGCGAATTCAACGTGAACTCGTTCGGGCCGGAGGGCCAGACAGCACTACACCAGTCA
GTCATCGACGGCAACCTGGAGCTGGTGAAGCTGTTGGTCAAGTTCGGAGCCGACATCCGCCTAGCTAACC
GCGACGGCTGGAGCGCGCTACACATCGCCGCTTTCGGGGGCCACCAGGACATCGTGCTCTATCTCATCAC
CAAGGCCAAGTACGCGGCCAGCGGCCGGTGATAGCCACCCGGACTCCGGCCCCTGGCCCCCACCCGCGTC
GTCTCTGCTGTACCTTCCCGCCAACTACCTCGGTGTGCGCCAGGTTTGCTGGTCCGCGTGGAAATCGGGC
TAAGTCTCTACGTCCGCGGCCACGACCAAAGTAGCGCATCCGTGGACCCCAGGGTTCGGCTCTCCGCAAA
AGAGCGCCTCCCCTTGGCAGTCCTCTGAGCCCCGCGGGGCCCCAGAGCCTTCCCACGGCCCCGACCGCCT
AGAGGGTGGGGGCGGGGCGCAGGCTCCAGTCCGTTTTGAAATTTGAGTCTCACACCGGGAGACTTCGGAA
TCCCGAGATACCGGATCCTCCGCTTGAAATGTTTTCTCCGGAAGGTGAAAGGCGCGGGCGGACTCGCGCT
CCAGCCGCCGCTCGTGAGACCCGGCCGCTCACAGTGCGGCGCCCGCCGCTGGCAGCCGCCAAACAACCAT
TACCGGGCTCCACCATCTGCGCGCCCTCGCACTTAGGAAGGGAAGGGGACGCTCCGGGTTCCTGATGTCC
TCAACTATTTATCACGTGTGTGTATATTTGTGGGTGAAGTTTGTGCGCCTGAGTTTTTTGTTTGGAAATA
TTGTGCGTGGTTATGGGAGAAAGATGCATTTTTTTTCCTTTAAAACTAAAAACTTGAGTCTACCATTTTT
TGGTTGCACTGAAAATACCGCCTAGCCCTATGGTTTTCCCATTGCTAGCCCCTCCCCCACCGAGTCCCTA
ATCTTCCACACCTCATTCCTCTTTTCCTCTCCCTGGATTCTGAGTTTAGAGAGCCTAGGATCTGTCTCCC
TTTCCCCTCCCGTGAGAGGCCACCATTCCCCACACAGGCTGGTTTAGCAAAGTTCCAAAGGGCTCTTGAA
GCCCGCGTGGCTGGGACGTGGGGATTCTGAGAGCATGGTACCCTTCCTAGTGACTTCTATTATAGTTAAT
AGTCGGTTGCACACTTTTTTAAAAAAGTAAATGAATTTGCCACGATTAAATGTCATAACATTTATGACAG
AATATAAAATATTAACATATTTTAAGCCAAGTTTTAGGTGTATTTTTTTGAATCTTGGTTATGAACCCAA
TTTTAAAGGGCGTTGTATCCAGCGTTGTGAAGGCTGTTGTGTACCCATATTTATATTTTTATAAAATTCC
TATAAAGACTGTGAATCTCTCATACTATTGCTGAATGAGTGGAAGGGCTGCTGTGCTCTTTCTGCCTTCC
CCAATCCCCATCCCCACCCTCAAACCCTGCTCCAAGGCCCTATTATGATCTGAGGATCCAGCCATGAGGG
AGGGGCTGTGCCAAGGACCAGGGCTGGAGGAGGTGCTGGAGCGTCACTGGCTGTCCCAGAAAGGAGACTT
CCTGGTTTCTGTGGTTCCAATTTTCTATGCATCTCCATTCCCCTTCTTGTTTTGATCCTGGGAAATAAAA
GGGAGGCTGAATTATTCAAATTTAAATGAGGTTTCCCCTTCGTAGAAGTGCTGCTGACCCTGCGTGCAAA
AATGGGGAGCACTTGAGGACACAGGTGGGTGGAGCCCTTTGTGCCGCCTGGCCATATTCTTCGGTCTTCT
GCGCTTTTATGAACCAGTGTGGGAGGAATAGTGATAATGTCATGAGAATGGCAGACACTGAGACAAGCAC
AGATTACTTCAAAAGGAGTTCTGTATGGTTTTTCTACACGCAAATGCCTTTTTAATTATGTTAATTAATG
TTAAAACGTACTGGGCCTATGTTGAAGCTTCAGATGGGTCCTGGTTGGTCTCTTCTATCTGTATGAAGTC
TGTGGCACACTCCTAAGCGTACGATATAGACTTGTAGCCCATCGTGAAAAATTTATAAATAAATTTTTCA
TTGGTCTTTTTATATTAAAAAAAAAAAAAAAAAAA

Restriction Sites: RsrII-NotI

ACCN: NM_025980

Insert Size: 345 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:	BC069891, AAH69891
RefSeq Size:	2345 bp
RefSeq ORF:	345 bp
Locus ID:	67122
UniProt ID:	Q91ZA8
Cytogenetics:	2 A3
Gene Summary:	Downstream effector of Notch signaling. Involved in the regulation of liver cancer cells self-renewal (By similarity). Involved in the regulation of canonical Wnt signaling by stabilizing LEF1 (By similarity). Involved in angiogenesis acting downstream of Notch at branch points to regulate vascular density. Proposed to integrate endothelial Notch and Wnt signaling to control stalk cell proliferation and to stablilize new endothelial connections during angiogenesis (PubMed:19154719). During somitogenesis involved in maintenance of proper somite segmentation and proper numbers of somites and vertebrae. Required for proper anterior-posterior somite patterning. Proposed to function in a negative feedback loop to destabilize Notch 1 intracellular domain (NICD) and downregulate the Notch signal, preventing expansion of the Notch signal into the anterior somite domain (PubMed:21795391, PubMed:21998026).[UniProtKB/Swiss-Prot Function]