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Product datasheet for RC229076

Neurabin 1 (PPP1R9A) (NM_001166160) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Neurabin 1 (PPP1R9A) (NM_001166160) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	PPP1R9A
Synonyms:	Neurabin-I; NRB1; NRBI
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
ORF Nucleotide Sequence:	>RC229076 representing NM_001166160 Red=Cloning site Blue=ORF Green=Tags(s) TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC GCCGCGATCGCC ATGTTGAAAACTGAGTCTTCAGGTGAACGAACCACTCTCAGAAGTGCCTCTCCTCACAGGAATGCATATC GAACTGAGTTTCAGGCACTGAAAAGTACCTTTGACAAACCCAAGTCAGATGGGGAACAAAAAACAAAAGA AGGTGAGGGCTCCCAGCAGAGCAGGGGGAGGAAATATGGCTCCAATGTCAACAGAATTAAAAACCTATTT ATGCAGATGGGTATGGAACCCAACGAGAATGCTGCAGTCATTGCCAAAACAAGGGGGAAAGGTGGACATT CATCTCCTCAGAGAAGAATGAAGCCCAAAGAATTTCTGGAAAAAACAGATGGCTCAGTTGTTAAGTTGGA GTCTTCTGTTTCTGAACGAATTAGTAGATTTGACACTATGTACGATGGCCCTTCATATTCCAAGTTCACT GAGACTCGAAAGATGTTTGAGAGAAGTGTGCATGAATCAGGACAGAACAACCGCTATTCCCCAAAGAAAG AGAAAGCTGGAGGGAGTGAACCTCAGGATGAATGGGGAGGTTCCAAGTCCAACAGAGGCAGTACTGATTC CTTGGACAGCCTTAGCTCCCGAACTGAGGCTGTCTCCCCAACTGTGAGTCAACTGAGTGCAGTATTTGAG AACACTGATTCTCCCAGTGCCATCATTTCTGAGAAGGCTGAAAACAATGAATACTCAGTGACTGGGCATT ATCCCTTGAATTTACCATCTGTTACTGTTACAAATCTTGACACATTTGGTCACCTGAAGGATTCTAATTC CTGGCCTCCTTCAAACAAGCGAGGTGTTGATACAGAGGATGCTCACAAGAGTAATGCAACTCCAGTACCA GAAGTGGCTTCTAAAAGTACCTCTCTAGCTTCGATACCTGGTGAAGAGATCCAGCAGAGCAAGGAACCCG AGGACTCCACATCTAATCAACAGACTCCCGACAGCATTGACAAAGATGGTCCTGAAGAACCTTGTGCTGA AAGTAAGGCAATGCCAAAGTCCGAAATCCCTTCACCACAAAGCCAACTGTTAGAAGATGCTGAAGCTAAT TTGGTTGGAAGGGAGGCAGCAAAGCAACAGAGGAAAGAACTTGCAGGTGGTGATTTCACCTCTCCTGATG CTTCTGCATCCAGTTCTGGAAAAGAAGTACCTGAAGATTCAAATAATTTTGATGGTTCCCATGTGTACAT GCACAGTGACTATAATGTGTATAGGGTGAGATCCAGGTATAATTCAGACTGGGGAGAGACAGGCACTGAG CAGGATGAGGAGGAAGATAGTGATGAGAACAGTTACTATCAGCCTGATATGGAGTACTCGGAAATTGTTG GATTGCCAGAAGAAGAAGAAATCCCAGCAAATAGGAAAATTAAGTTTAGTAGTGCTCCTATTAAGGTTTT CAACACATACTCCAATGAAGACTATGACAGGAGAAATGACGAAGTTGACCCTGTGGCTGCTTCAGCTGAG TATGAACTTGAAAAACGTGTAGAAAAGCTGGAACTTTTCCCAGTGGAGCTAGAGAAAGATGAGGATGGTC

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Protein Sequence:

>RC229076 representing NM_001166160
Red=Cloning site Green=Tags(s)

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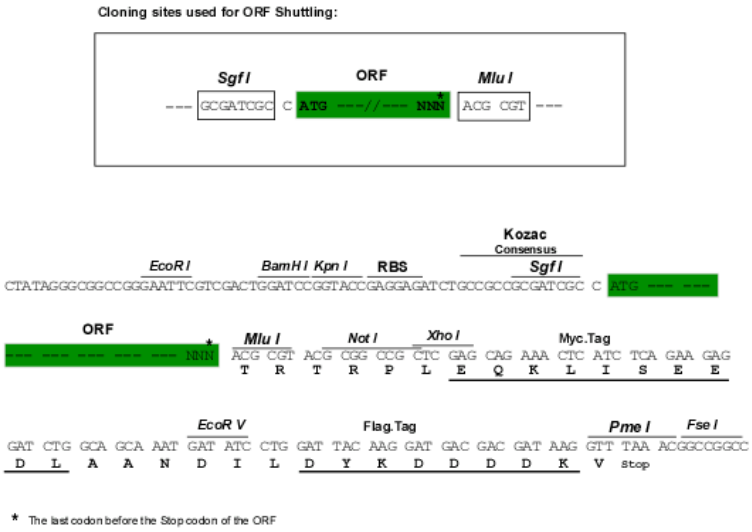
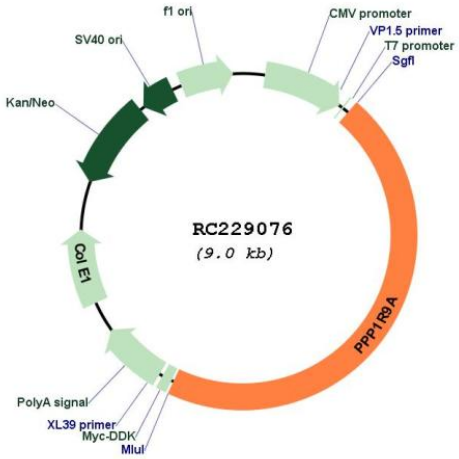
Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN:	NM_001166160
ORF Size:	4122 bp
OTI Disclaimer:	The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. More info
OTI Annotation:	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
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:	NM_001166160.1, NP_001159632.1
RefSeq ORF:	4125 bp
Locus ID:	55607
UniProt ID:	Q9ULJ8
Cytogenetics:	7q21.3
Protein Families:	Druggable Genome

MW: 153.9 kDa

Gene Summary: This gene is imprinted, and located in a cluster of imprinted genes on chromosome 7q12. This gene is transcribed in both neuronal and multiple embryonic tissues, and it is maternally expressed mainly in embryonic skeletal muscle tissues and biallelically expressed in other embryonic tissues. The protein encoded by this gene includes a PDZ domain and a sterile alpha motif (SAM). It is a regulatory subunit of protein phosphatase I, and controls actin cytoskeleton reorganization. Alternatively spliced transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Oct 2009]