

Product datasheet for SC327711

Neurabin 1 (PPP1R9A) (NM_001166160) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Neurabin 1 (PPP1R9A) (NM_001166160) Human Untagged Clone
Tag:	Tag Free
Symbol:	PPP1R9A
Synonyms:	Neurabin-I; NRB1; NRBI
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_001166160, the custom clone sequence may differ by one or more nucleotides

```

ATGTTGAAAACCTGAGTCTTCAGGTGAACGAACCACTCTCAGAAGTGCCTCTCCTCACAGG
AATGCATATCGAACTGAGTTTCAGGCACTGAAAAGTACCTTTGACAAACCAAGTCAGAT
GGGGAACAAAAACAAAAGAAGGTGAGGGCTCCCAGCAGAGCAGGGGGAGGAAATATGGC
TCCAATGTCAACAGAATTAACCTATTTATGCAGATGGGTATGGAACCAACGAGAAT
GCTGCAGTCATTGCCAAAACAAGGGGAAAGGTGGACATTCATCTCCTCAGAGAAGAATG
AAGCCCAAGAATTTCTGGAAAAACAGATGGCTCAGTTGTTAAGTTGGAGTCTTCTGTT
TCTGAACGAATTAGTAGATTTGACACTATGTACGATGGCCCTTCATATTCCAAGTTCCT
GAGACTCGAAAGATGTTTGAGAGAAGTGTGCATGAATCAGGACAGAACAACCGCTATTCC
CCAAAGAAAGAGAAAGCTGGAGGGAGTGAACCTCAGGATGAATGGGGAGGTTCCAAGTCC
AACAGAGGCAGTACTGATTCCTTGACAGCCTTAGCTCCCGAACTGAGGCTGTCTCCCA
ACTGTGAGTCAACTGAGTGCAGTATTTGAGAACACTGATTCTCCAGTGCCATCATTCT
GAGAAGGCTGAAAACAATGAATACTCAGTGACTGGGCATTATCCCTTGAATTTACCATCT
GTTACTGTTACAAATCTTGACACATTTGGTCACCTGAAGGATTCTAATTCCTGGCCTCCT
TCAAACAAGCGAGGTGTTGATACAGAGGATGCTCACAAGAGTAATGCAACTCCAGTACCA
GAAGTGGCTTCTAAAAGTACCTCTCTAGCTTCGATACCTGGTGAAGAGATCCAGCAGAGC
AAGGAACCCGAGGACTCCACATCTAATCAACAGACTCCCGACAGCATTGACAAAGATGGT
CCTGAAGAACCTTGTGCTGAAAGTAAGGCAATGCCAAAGTCCGAAATCCCTTCACCACAA
AGCCAACCTGTTAGAAGATGCTGAAGCTAATTTGGTTGGAAGGGAGGCAGCAAAGCAACAG
AGGAAAGAACCTTGACAGGTGGTATTTACCTCTCCTGATGCTTCTGCATCCAGTTGTGGA
AAAGAAGTACCTGAAGATTCAAATAATTTGATGGTTCCCATGTGTACATGCACAGTGAC
TATAATGTGTATAGGGTGAGATCCAGGTATAATTCAGACTGGGGAGAGACAGGCACTGAG
CAGGATGAGGAGGAAGATAGTGATGAGAACAGTACTATCAGCCTGATATGGAGTACTCG
GAAATTGTTGGATTGCCAGAAGAAGAAGAAATCCAGCAAATAGGAAAATTAAGTTTAGT
AGTGCTCCTATTAAGGTTTTCAACACATACTCCAATGAAGACTATGACAGGAGAAATGAC
GAAGTTGACCCTGTGGCTGCTTCAGCTGAGTATGAACTGAAAAACGTGTAGAAAAGCTG

```



[View online »](#)

GAAC TTTTCC CAGTGG AGCTAG AGAAAG ATGAGG ATGGTCTTGGTATAAGTATTATTGGA
 ATGGGTGTTGGAGCAGATGCTGGACTTGAAAAGCTGGGAATATTCGTCAAGACAGTAACA
 GAAGGTGGTGTCTCAACGGGATGGCAGAATACAAGTCAATGACCAGATTGTGGAAGTG
 GATGGAATCAGCTTGGTGGGTGTGACACAGAATTTTGCAGCAACAGTTCTCAGAAACACC
 AAGGGCAACGTCAGATTTGTTATTGGGCGGGAAAAACCAGGACAAGTGAGCGAGTTGCC
 CAGTTGATAAGCCAGACACTGGAACAGGAGAGGGCGCCAGAGAGCTGCTGGAACAGCAC
 TATGCCCAGTATGATGCCGACGATGACGAGAACACTGTGGCTGAATTGCAAGGAATGTCT
 GGCAACTGCAATAACAATAACAAC TATTTTCTTAAGACAGGAGAATATGCCACAGATGAA
 GAAGAAGATGAGGTAGGACCTGTCCTTCTGGCAGCGACATGGCCATTGAAGTCTTTGAG
 CTGCTGAGAATGAGGACATGTTTTCCCATCAGAACTGGACACAAGCAAGCTCAGTCAC
 AAGTTCAAAGAGTTGCAATCAAACATGCAGTTACAGAAGCAGAGATTCAAAAATTGAAG
 ACCAAGCTGCAGGCAGCAGAAAAAGAGAAAGTGAAGTGGGAACTAGAAAAACCCAACTC
 CAACAAAACATAGAAGAGAATAAGGAAAGAATGTTGAAGTTGAAAGCTACTGGATTGAG
 GCCCAAACATTATGCCACACAGTGAATGAGCATCTCAAAGAGACTCAAAGCCAGTATCAG
 GCCTTGGAAAAGAAATACAACAAGGCAAAGAAGTTGATCAAGGATTTTCAACAAAAGAG
 CTTGATTTTCATCAAAGACAGGAAGCAGAAAGAAAGAAAATAGAAGATTTGGAAAAGCT
 CATCTTGTGGAAGTGCAAGGCCTCCAAGTGCGGATTAGAGATTTGGAAGCTGAGGTATTC
 AGGCTACTGAAGCAAAATGGGACTCAAGTTAACAATAATAACAACATCTTTGAGAGAAGA
 ACATCTCTTGGTGAAGTCTCTAAAGGGGATACCATGGAGAACTTGGATGGCAAGCAGACA
 TCTTGCCAAGATGGCCTAAGTCAAGACTTGAATGAAGCAGTCCCAGAGACAGAGCGCCTG
 GATTCAAAAGCACTGAAAACCGAGCCAGCTCTCTGTGAAGAACAGACGCCAGAGACCC
 TCTAGGACAAGACTGTATGATAGTGTAGTTCCACAGATGGGGAGGACAGTCTAGAGAGA
 AAGCCATCAAACAGTTTCTATAACCACATGCATATTACCAAATTACTTCCACCTAAGGTT
 TTGAGAACGCTCTTCTCCAGAATCAGATTCTGGTGTCCACCCCTACCCCGGTGGATAGC
 AATGTGCCCTTCTCGTCTGACCACATAGCTGAATTTCAAGAAGAACCCTGGACCCAGAA
 ATGGGGCCTCTCTCTATGTGGGAGACACTTCACTGTTTTCTACTTCAAAGTCTGAT
 CATGATGTGGAAGAATCTCCTTGCCATCACCAAACCACCAACAAGAAAATATTACGAGAA
 AAAGATGATGCCAAAGATCCCAATCACTAAGGGCATCCAGTTTATTGGCGGTGCAAGGA
 GGA AAAAATTAAGCGGAAGTTTGTGGATCTGGGGCGCCTTTGCGAAGGAATCCAGCAAG
 GGAAGAAGTGGAAAGAAAAAGAAAAAGCCAGTAGGTTTTCTGCAGGTAGCAGGATC
 TTCAGAGGCAGACTGAAAACCTGGACACCCAAGCCATGTTCAACAGCTCAGACCTCCACT
 CGTTCCCCTTGATGCCTTTCTCATGGTTAATGACAGCCGAAAGGATCCTATTCCTTC
 AGGAACCTGCCTGCGCCTACAAGTTCCTTCAGCCTTCTCCTGAGACTCTAATTTAGAT
 AAAAAGGGGTCCAAGGTAGAAAACACATGGATTACAAAAGCAAACAAGAGAAACCCAAAT
 CCCTCCTCTTCTCAATCTTTGGAAGGCATTCTCAACTTATGTCTGTAGTCTGGATCCAA
 GAAACCAATAATTTACCTTCAATGATGACTTCAGTCCCAGCAGTACCAGTTCAGCAGAC
 CTCAGCGGCTTAGGAGCAGAACCTAAAACACCAGGGCTCTCTCAGTCCTTAGCACTGTCA
 TCAGATGAGATCCTTGATGATGGACAGTCTCCAAACACAGTCAAGTGTGAGAATCGGGCC
 GTTCAGGAATGGAGTGTGCAGCAGGTTTCTCACTGGTTAATGAGCCTAAATCTGGAGCAG
 TATGTATCTGAATTCAGTGCCCAAAACATCACTGGAGAACAGCTCCTGCAGTTGGATGGA
 AATAAACTTAAGGCTCTTGAATGACAGCATCCCAGGACCGAGCAGTGGTCAAAAAGAAA
 CTCAAGGAAATGAAGATGTCTCTAGAGAAGGCTCGGAAGGCCAAGAGAAAATGGAAAA
 CAAAGAGAAAAGCTAAGGAGAAAGGAGCAAGAGCAAATGCAGAGGAAGTCCAAAAGACA
 GAAAAGATGACGTCAACTACAGCCGAGGGTGTGGTGAGCAG

Restriction Sites:

Please inquire

ACCN:

NM_001166160

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).

OTI Annotation:	This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
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:	<u>NM_001166160.1</u> , <u>NP_001159632.1</u>
RefSeq Size:	10519 bp
RefSeq ORF:	4125 bp
Locus ID:	55607
UniProt ID:	<u>Q9ULJ8</u>
Cytogenetics:	7q21.3
Protein Families:	Druggable Genome
Gene Summary:	<p>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]</p> <p>Transcript Variant: This variant (1) encodes the longest isoform (1). Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.</p>