

Product datasheet for MC224395

Naip1 (NM_008670) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Naip1 (NM_008670) Mouse Untagged Clone
Tag: Tag Free
Symbol: Naip1
Synonyms: AV364616; Birc1a; D13Lsd1; Naip; Naip-rs1
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >MC224395 representing NM_008670
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCGCGATCGCC

ATGGCTGAGCATGGGGAGTCTCCGAGGATCGGATTTCTGAGATTGATTATGAATTTCTCCCTGAGCTCT
 CTGCTCTTCTCGGGTGGATGCAGTTCAGCTGGCAAAGAGCCAAGAAGAAGAAGACATAAAGAACGGAT
 GAAAATGAAGAAAGGTTTTAACTCACAGATGCGCAGTGAAGCCAAACGACTAAAGACCTTTGAGACCTAT
 GACACGTTTCAGATCATGGACGCCACAGGAGATGGCAGCTGCTGGGTTTTACCACACAGGGGTGAAACTTG
 GGGTTCAGTGCTTTTGCTGTAGCTTGATCCTCTTTGGCAATAGCCTCAGGAAGCTTCCCATAGAGAGACA
 CAAGAAATTACGTCCAGAATGTGAGTTCCTTCAGGGAAAAGATGTTGGTAAACATTGGCAAGTATGACATC
 CGGGTGAAGAGTCCAGAGAAGATGCTGAGAGGTGGCAAAGCCAGGTACCATGAAGAGGAGGCCAGACTGG
 AGTCCTTTGAGGACTGGCCATTTATGCCCATGGGACATCACCACGTGTACTCTCAGCAGCTGGCTTTGT
 CTTTACAGGTAAGGGGACACTGTGCAGTGTTCCTGTGGCGGAAGCTTGGGCAACTGGGAAGAAGGA
 GATGACCCCTGGAAGGAGCATGCCAAGTGGTTCCCAAATGTGAATTTCTCAAAGTAAGAAATCTTCAG
 AGGAAATTGCCAGTATATCCAAGGCTATGAGGGATTTGTTTCATGTAACGGGAGAACAATTTGTGAATTC
 CTGGGTCAGAAGAGAATTACCTATGGTATCAGCTTACTGCAACGACAGCGTCTTCGTAATGAAGAACTA
 AGGATGGACACGTTTAAAGGACTGGCCCCACGAATCACCTGTGGCTGTTGATGCTTTGGTCAGAGCTGGCC
 TTTTCTACACAGGCAAAAAGGGCATTGTCCAGTGTTCCTGTGGAGGATGTATGGAGAAGTGCACAGA
 AGGTGACGACCCAATAACAAGAGCACAACAAGTTTTTCCCAACTGTGATTTCTCCAAACCCGAAGTCC
 TCTGCAGAAGTGATCCAGCCCTTCAGAGCCACTGTGCACTTCCAGAAGCCATGGAACCACAAGTGAAA
 GCAACCACGATGATCCAGCAGCAGTTCATTCTACAGTGGTGGCTTGGTAGGAGTGAAGCCAGTGGTT
 TCAAGAGGCCAGGAGTCTGAGTGAGCAGCTAAGAGACAACACTAAAGCCACTTTTCGCCACATGAAC
 TTGCCAGAAGTGTCTCCAGCCTTGGCACTGACCCTTGATCGGCTGCGATGTGTCCATCATTTCAAAGC
 ACATCAGCCAGCCTGTGCAAGGGGCCCTGACGATCCCTGAGGTCTTCTCCAATCTCAGCTCTGTCAATGTG
 TGTGGAGGGGAAACTGGCAGTGAAAGACAACCTTCTGAAGAGGATAGCTTTCTCTGGGCATCAGGA
 TGCTGCCCTTGTGTACAGGTTCCAGCTGGTCTTCTACCTCTCCCTTAGTTCATCACACCAGACCAGG



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GACTGGCCAACATCATCTGTGCCAACTCCTAGGGGCAGGAGGCTGCATTAGTGAAGTGTGTCTGAGCAG
 CATCATCCAGCAGTTACAACACCAGGTGCTGTTCTGTTGGATGACTACAGTGGGCTGGCCTCACTCCCC
 CAAGCCCTACATACACTGATTACAAAACTACTTGTACACGGACCTGCTTATTGATCGTGTGCATACAA
 ACAGGGTCAGGGGCATCCGCTCATACCTAGATACGAGTCTAGAGATCAAAGAGTTTCCCTTGTCCAATAC
 TGTCTATATATTAAGAAGTTCTTCTCCATAATATAAAACGCTACTAGAGTTTATGGTTTATTTTGA
 CAGAATGAAGATTTACAGGGAATTCACAAGACCCCTCTTCGTGGCAGCAGTATGTACTGACTGGTTTG
 AAAATCCATCTGACCAGCCCTTTCAGGATATGGCACTTTTCAAGTCTACATGCAATACCTGTCCCTAAA
 GCACAAAGGTGCAGCTAAGCCTCTCCAAGCCACCGTGCCTCATGTGGCAGCTGGCCTTGACAGGGCTT
 TTCTCATCATGCTTTGAGTTCAATAGTGATGACCTGGCAGAGGCAGGAGTTGATGAAGATGAAGAGCTCA
 CCACCTGCTTGATGAGCAAATTCACCGCCAGAGACTGAGGCCAGTCTACCGGTTTTAGGTCGGCTGTT
 CCAGGAGTTTCTGCTGCCATGAGACTGACTGAACTTCTGAGTTCAGATAGGCAGGAAGACCAAGATCTG
 GGACTTTATTATTTGAGACAAATTAACCTACCCTTGAAGGCTTTGACCACCTACAACAATTTTTTGAAGT
 ATGTCTTAGCCATCCGTATCAAAGGCAGGGCCAACAGTTGTATCTCATTGCTTCACTGGTGGATGA
 GACAGAGTTGCTGGAGAATACCTATAAAAATGAGGATTATGTAATCACCTCCAGGAACCTCCCGAATA
 ATGAAGGGACTTAAGGAAGTGTGGCTGTTATCTCTGAATATTACTCTTCAATTTGTTTCAGAACATTTAT
 TGGCATTGCTCTAACTTTGCTTATGAAAGCAACTGTTGCTGAATGTTCTCCATTTATTTTGCAGTT
 CCTTAGAGGGAGAACACTGGCTTTGAAAGTACTGAATTTACAATACTTTAGGGACCACCCAGAAAGCCTG
 TTAGTGGTGAAGAGTTTGAAGTCTCGATAAATGGAAATAAAGTGCCAAAAGTTGTAGATTATTCAGTCA
 TGGAAAAAAGTTTTGAAACATTACAGCCACCAACTATAGATCAGGACTATGCATCCGCTTTGACAAAAT
 GAAGGAACATGAAAAAATTTATCTGAAAATGAAGAGACCATAAAGAGTATTAAGAACATCTTCCCTTA
 CAGCCACCTAAAATAAGCTCTGGCTATTGGAACTGTCCCCAAGCCATGCAAGATCCCTAGGCTGGAAG
 TTGGAGTGACCAACATGGTCCAGCAGATCAAGCACTGCTCCAGGTCTCATGGAAGTCTTCTCAGCTTC
 ACAGAGTATTGAGTTCCGTTTATCCGACAGCAGTGGCTTCTTGAAGCATCCGCCAGCTCTGGAGTGT
 AGTAAGGCCTCTGTCACCAAGTGTCCATGTCCAGGCTGGAGCTCAGCAGAGCAGAACAGGAGCTGCTTC
 TCAACCCTGCCTGCCTGCAGTCTCTCGAGTCTCAGAGACAAACAGTTACCAGATCAGCTTCCATAA
 CTTGCACAAGTTCCTGGGCTGAAAGAACTGTGTGTGAGACTAGATGGCAAACCGGATGTGCTCTCAGTC
 CTTCTGGAGAGTTCCCAAACCTCCTTCACATGGAGAAGTTATCCATCCGAACCTCCATGGAGTCTGACC
 TCTCCAACTAGTTAAATGATTCAGAACTCTCCAAATCTCCATGTTTTCCATCTGAAATGTGATTTCT
 TTCGAATTGTGACTCTCTCATGGCTGTGCTTCTCTGCAAGAACTCAGAGAGATTGAGTTTTCTGGA
 CGATGCTTTGAAGCCATGCCCTTTGTTAACATTTTGCCAAATTTATTTCTCTGAAGATATTAATCTTA
 TAAGCCAACAATCCCAGATAAGGAAACATCAGAAAAGTTTGCCAGGCTCTGGGTCTCTCAGGAACCT
 GGAGGAAGTCTCGTTCCCACTGGAGACGGGATTCACCAAGTGGCCAAAATGATTGTCCGGCAGTGTCTG
 CAGCTTCCGTGTCTCCGAGTCTTTCCTTTCACTACATCTTGGACAATGACAGTGTGATTGAAATGGCA
 GGGTGGCAACCAAGTGGAGGTTTCCGAAACTCGAGAAGTTAGATCTTCCATGAATCACAAGATTACCGA
 GGAAGGATATAGAAAATTTCTTCAAGCCCTGGACAACCTGCCAACTTGCAGAATCTGAACATCTGCAGA
 CATATCCAGAATGCATTCAGTTCAGGCCACCACTGTCAAGGCTCTGGGTCAATGTGTGTCCCGACTGC
 CCAGCCTCACTAGGCTGCACATGCTCAGTTGGCTCCTGGATGAAGAGGACATGAAAGTGATTAATGATGT
 GAAGGAAAGACACCCCAAGTCCAACGCTTGATTATCTTCTGAAATGGATAGTCCCGTTCTCTCTGTT
 GCCTGGAGTAA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:

Sgfl-Mlul

ACCN:

NM_008670

Insert Size:

4212 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:	<u>NM_008670.2</u> , <u>NP_032696.2</u>
RefSeq Size:	5361 bp
RefSeq ORF:	4212 bp
Locus ID:	17940
UniProt ID:	<u>Q9QWK5</u>
Cytogenetics:	13 53.18 cM
Gene Summary:	Anti-apoptotic protein which acts by inhibiting the activities of CASP3, CASP7 and CASP9. Can inhibit the autocleavage of pro-CASP9 and cleavage of pro-CASP3 by CASP9. Capable of inhibiting CASP9 autoproteolysis at 'Asp-315' and decreasing the rate of auto proteolysis at 'Asp-330'. Acts as a mediator of neuronal survival in pathological conditions. Prevents motor-neuron apoptosis induced by a variety of signals (By similarity).[UniProtKB/Swiss-Prot Function]