

Product datasheet for MC211097

Nos1ap (NM_027528) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Nos1ap (NM_027528) Mouse Untagged Clone
Tag: Tag Free
Symbol: Nos1ap
Synonyms: 6330408P19Rik; Capon
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >MC211097 representing NM_027528
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGCGCAGAATCCGGTATGAGTTAAAGCCAAGAACATCAAGAAGAAGAAAGTAAGCATCATGGTCTCTG
 TGGACGGTGTCAAGGTGATTCTGAAGAAGAAGAAAAGAAAAGGAGTGGACGTGGGATGAGAGCAAGAT
 GCTGGTATGCAGGACCCTATCTACAGGATCTTCTATGTCTCTCATGACTCCCAAGACTGAAAATCTTC
 AGCTATATTGCCAGAGATGGTGCCAGCAATATCTTCAGATGTAACGTCTTTAAATCCAAAAAGAAGATC
 AAGCTATGAGAATCGTGCGGACAGTGGGACAGGCCTTCGAAGTCTGCCACAAGCTGAGCCTGCAGCACAC
 ACAGCAGAATGCAGATGGCCAGGAAGATGGGGAGAGCGAGAGGAACAGTATGGCTCAGGAGACCCAGGC
 CGGCAGCTCACGGGAGCTGAGAGGGTCTCCACAGCCGCTGCAGAGGAGACAGACATTGACGCCGTGGAGG
 TCCCACTCCCTGGGAATGACATTCTGGAATTGAGCCGAGGTGTGACTGATCTGGATGCCGTAGGGAAGGA
 TGGAGGCTCCACATAGACTCAACGGTCTACCCACCCTCAGGAGCCCATGCTGACAGCCTCCCTCGA
 ATGCTGCTCCCTTCCTCTTCTCGAAGCCGCGAGGCTTGGGCACGGGACGCCCTGTCCACTCACCACC
 AGATGCAGCTCCTCCAGCAGCTCCTCCAGCAGCAGCAACAACAGACACAAGTGGCTGTGGCCAGGTTCT
 CCTCAGCCTCCTCCCTTCTCACAGGCTCCACTCTCATGGCT**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_027528
Insert Size: 816 bp



[View online »](#)

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:	NM_027528.2 , NP_081804.1
RefSeq Size:	1533 bp
RefSeq ORF:	816 bp
Locus ID:	70729
Cytogenetics:	1 H3
Gene Summary:	Adapter protein involved in neuronal nitric-oxide (NO) synthesis regulation via its association with nNOS/NOS1. The complex formed with NOS1 and synapsins is necessary for specific NO and synapsin functions at a presynaptic level. Mediates an indirect interaction between NOS1 and RASD1 leading to enhance the ability of NOS1 to activate RASD1. Competes with DLG4 for interaction with NOS1, possibly affecting NOS1 activity by regulating the interaction between NOS1 and DLG4 (By similarity).[UniProtKB/Swiss-Prot Function]