

Product datasheet for MR221061

Nap111 (NM_001146707) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Nap111 (NM_001146707) Mouse Tagged ORF Clone
Tag: Myc-DDK
Symbol: Nap111
Synonyms: AA407126; AI256722; D10Ert68e; NAP-1
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >MR221061 representing NM_001146707
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGGCCGACATTGACAACAAAGAACAGTCTGAACTTGATCAAGATTTGGAAGATGTTGAAGAAGTAGAAG
AAGAAGAAACGGGTGAAGAAACAAAAATCAAAGCAGTCACTAACTGTTGATGATGCAAAATCCTCA
GATTCTTGCACTCTTCAGGAAAGACTTGATGGTCTGGTAGACACACCAACAGGATACATTGAAAGCTTG
CCTAAGGTAGTCAAAGACGAGTGAATGCTCTCAAGAATCTTCAGGTTAAATGTGCACAGATAGAAGCCA
AATTCTATGAGGAAGTTCATGATCTCGAGAGGAAGTATGCTGTTCTCTATCAGCCTTTATTTGATAAGCG
ATTTGAGATCATTAATGCAATCTATGAACCTACAGAAGAAGAATGCGAGTGGAAACCAGATGAGGAGGAT
GAAGTTTCGGAGGAGCTGAAAGAAAAGGCCAAGATTGAAGATGAGAAAAAGGATGAAGAAAAAGAAGACC
CGAAAGGAATTCCTGAATTTGGTTGACAGTGTTAAGAATGTTGACTTGCTCAGTGACATGGTTCAGGA
ACATGATGAACCTATTCTGAAGCACTTGAAGATATTAAGTGAAGTTTCGGATGCTGGCCAGCCTATG
AGTTTTGTCTTAGAATTCACCTTTGAACCAATGACTATTCACAAATGAAGTGTAAACAAGACTTACA
GGATGCGGTGAGAGCCAGATGATTCTGACCCCTTTCTTTGACGGACCAGAGATTATGGGCTGTACAGG
GTGCCAGATAGATTGAAAAAAGGAAAGAATGTTACTTTGAAAACCATTAAGAAGAAGCAGAAACACAAG
GGCGTGGGACAGTTCGACTGTGACTAAAACAGTTTCCAATGATTCTTTCTTTAATTTTTTTGCTCCTC
CTGAAGTTCCTGAGAATGGCGATCTGGATGATGATGCTGAGGCGATACTGGCTGCAGACTTTGAAATGG
TCACTTTTACGTGAGCGCATAATCCCAAGATCAGTGCTGTACTTCACTGGAGAGGCTATCGAGGACGAT
GACGATGATTATGATGAAGAAGTGAAGAAGCTGACGAGGAAGGGGAAGAAGAAGGAGATGAGGAAAACG
ATCCAGACTATGACCCAAAGAAGGATCAGAACCCAGCCGAGTGAAGCAGCAG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >MR221061 representing NM_001146707
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MADIDNKEQSELDQDLEDVEVEVEEETGEETKIKARQLTVQMMQNPQILAAQERLDGLVDTPTGYIESL
 PKVVKRRVNALKNLQVKCAQIEAKFYEEVHDLERKYAVLYQPLFDKRFEIINAIYEPTEECEWKPDEED
 EVSEELKEKAKIEDEKKDEEKEDPKGIPEFWLTVFKNVDLLSDMVQEHDEPILKHLKDIKVKFSDAGQPM
 SFVLEHFHFEPNDYFTNEVLTKTYRMRSEPDDSDPF SFDGPEIMGCTGCQIDWKKGKNVTLKTIKKKQKHK
 GRGTVRVTVKTVSNDFFNFAPPEVPENGLDDDAEAILAADFEIGHFLRERIIPRSVLVYFTGEAIEDD
 DDDYDEEGEEADEEGEEEGDEENDPDYDPKKDQNPAAECKQQ

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

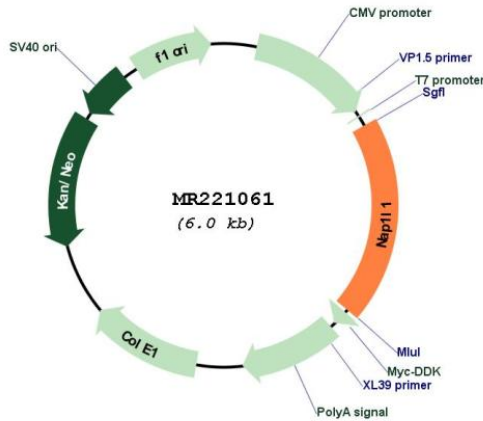
Restriction Sites:

Sgfl-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001146707

ORF Size:	1254 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:	<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 Size:	3951 bp
RefSeq ORF:	1257 bp
Locus ID:	53605
Cytogenetics:	10 58.67 cM
MW:	49 kDa
Gene Summary:	Plays a key role in the regulation of embryonic neurogenesis (PubMed:29490266). Promotes the proliferation of neural progenitors and inhibits neuronal differentiation during cortical development (PubMed:29490266). Regulates neurogenesis via the modulation of RASSF10; regulates RASSF10 expression by promoting SETD1A-mediated H3K4 methylation at the RASSF10 promoter (PubMed:29490266).[UniProtKB/Swiss-Prot Function]