

Product datasheet for **RC232324**

NIPSNAP1 (NM_001202502) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	NIPSNAP1 (NM_001202502) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	NIPSNAP1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC232324 representing NM_001202502 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCTCCGCGGCTGTGCAGCATCTCTGTGACGGCGCGTTTCTATTCCAAGGACAATGAAGGCAGCTGGT
TCCGCTCCCTCTTTGTTCAAAAGTGGATCCCCGAAGGATGCCCACTCCACCCTGCTGTCCAAGAAGGA
AACCAGCAACCTCTATAAGATCCAGTTTCAATGTAAGCCTGAATACCTGGATGCCTACAACAGCCTC
ACGGAGGCTGTGCTGCCAAGCTTCACTGGATGAGGACTACCATGCTCACTCGTGGGCAACTGGAACA
CGTGGTATGGGGAGCAGGACCAGGCAGTGCACCTGTGGCGATTCTCAGGTGGCTACCCAGCCCTCATGGA
CTGCATGAACAAGCTCAAAAACAATAAGGAGTACCTGGAGTTCCGAAGGAGCGGAGCCAGATGCTGCTG
TCCAGGAGAAACCAGCTGCTCCTCGAGTTCAGCTTCTGGAATGAGCCACAGCCAGAATGGGTCCCAACA
TCTATGAGCTGAGGACATACAAGCTCAAGCCAGGAACCATGATCGAGTGGGGGAACAACCTGGGCTCGGGC
CATCAAGTACCGGCAGGAGAACCAGGAGGCAGTGGGCGGCTTCTTCTCACAGATAGGAGAGCTCTACGTG
GTGCACCATCTCTGGGCTATAAAGACCTGCAGTCTCGGGAGGAGACTCGAAACGCTGCCTGGAGGAAGA
GAGGCTGGGATGAAAATGTCTACTATACAGTCCCCTGGTGCACACATGGAGTCTAGGATCATGATCCC
CTTGAAGATCTCGCCTCTGCAG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



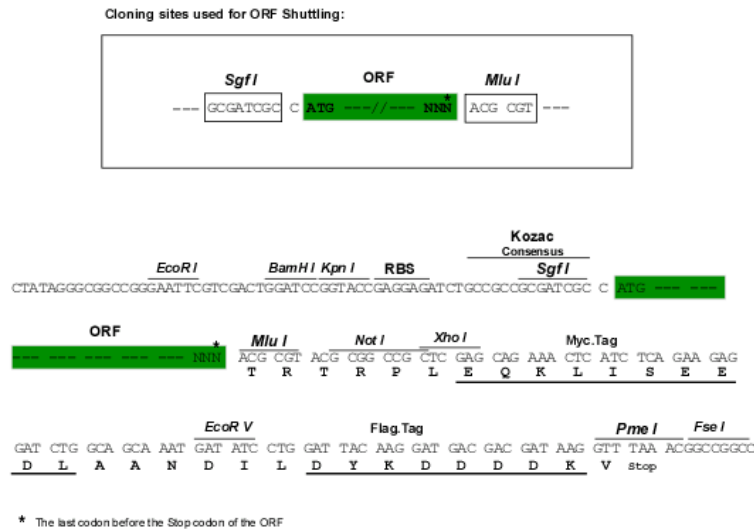
[View online »](#)

Protein Sequence: >RC232324 representing NM_001202502
 Red=Cloning site Green=Tags(s)

MAPRLCSISVTARFYSKDNEGSWFRSLFVHKVDPRKDAHSTLLSKKETSPLYKIQFHNVPKPEYLDAYNSL
 TEAVLPKLHLDEDPYCSLVGNWNTWYGEQDQAVHLWRFSGGYPALMDCMNKLNKKEYLEFRFRSQMLL
 SRRNQLLLEFSWNEPQPRMGPNIELRTYKLKPGTMIEWGNWARRAIKYRQENQEAVGGFFSQIGELYV
 VHHLWAYKDLQSREETRNAAWRKRKGDENVYYTVPLVRHMESRIMIPLKISPLQ

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI
Cloning Scheme:



ACCN: NM_001202502

ORF Size: 792 bp

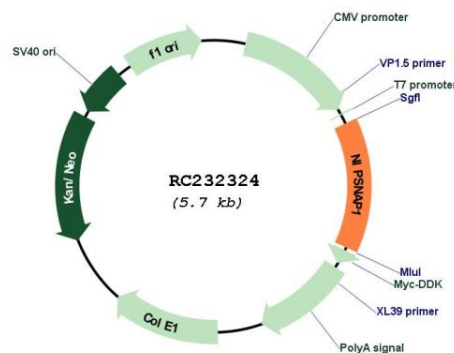
OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially 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.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	<u>NM_001202502.1, NP_001189431.1</u>
RefSeq Size:	1958 bp
RefSeq ORF:	795 bp
Locus ID:	8508
UniProt ID:	<u>Q9BPW8</u>
Cytogenetics:	22q12.2
MW:	31.9 kDa
Gene Summary:	This gene encodes a member of the NipSnap family of proteins that may be involved in vesicular transport. A similar protein in mice inhibits the calcium channel TRPV6, and is also localized to the inner mitochondrial membrane where it may play a role in mitochondrial DNA maintenance. A pseudogene of this gene is located on the short arm of chromosome 17. Alternatively spliced transcript variants encoding multiple isoforms have been observed for this gene. [provided by RefSeq, Feb 2011]

Product images:



Circular map for RC232324