

Product datasheet for **RC203264**

NIPSNAP3A (NM_015469) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	NIPSNAP3A (NM_015469) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	NIPSNAP3A
Synonyms:	HSPC299; NIPSNAP4; TASSC
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC203264 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGCTCGTCTCAGAAGCGCCCTGACTCGGGCGCTGGCCTCACGGACGCTGGCGCCTCAGATGTGCTCAT
CTTTTGCTACGGGACCCAGACAATACGATGGAATATTCTATGAATTCGTTCTTATTACCTTAAGCCCTC
AAAGATGAATGAGTTCCTGGAAAATTTGAGAAAAACGCTCATCTTCGGACAGCTCACTCGAATTGGTT
GGATACTGGAGTGAGAATTTGGAGGCAGAATGAATACAGTGTTTCATATTTGGAAGTATGATAATTTG
CTCATCGAACTGAAGTTCGGAAAGCCTTGCCAAAGATAAGGAATGGCAAGAACAATTCCTATTCCAAA
TTTGGCTCTCATTGATAAACAAGAGAGTGAGATTACTTATCTGGTACCATGGTGCAAATTAGAAAAACCT
CCAAAAGAAGGAGTCTATGAACTGGCCACTTTTTCAGATGAAACCTGGTGGCCAGCTCTGTGGGGTGATG
CATTTAAAGGGCAGTTCATGCTCATGTCAATCTAGGCTACACAAAACCTAGTTGGAGTGTCCACACAGA
GTACGGAGCACTCAACAGAGTTCATGTTCTTTGGTGGAAATGAGAGTGCAGATAGTCGTGCAGCTGGGAGA
CATAAGTCCCATGAGGATCCCAGAGTTGTGGCAGCTGTTTCGGGAAAGTGTCAACTACCTAGTATCTCAGC
AGAATATGCTTCTGATTCTACATCGTTTTCCACTGAAA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RC203264 protein sequence
 Red=Cloning site Green=Tags(s)

MLVLRNALTRALASRTLAPQMCCSFATGPRQYDGIIFYEFRSYLKP SKMNEFLENFEKNAHLRTAHSELV
 GYWSVEFGGRMNTVFHIWKYDNFAHRTEVRKALAKDKWEQFLIPNLALIDKQESEITYLVPWCKLEKP
 PKEGVYELATFQMKPGPALWGDFAFKRAVHAHVNLGYTKLVGVFHTHEYGALNRVHVLWWNESADSR AAGR
 HKSHEDPRVVAAVRESVNYLVSQQNMLLIPTSF SFLK

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mk6145_h04.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: NM_015469

ORF Size: 741 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.

RefSeq: [NM_015469.3](#)

RefSeq Size: 1664 bp

RefSeq ORF: 744 bp

Locus ID: 25934

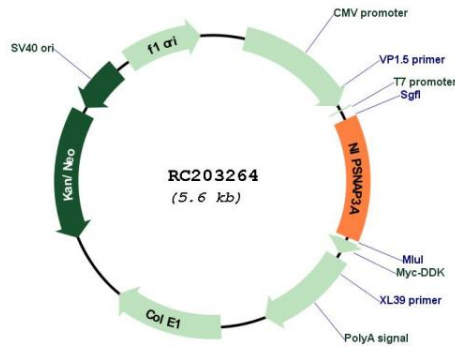
UniProt ID: [Q9UFN0](#)

Cytogenetics: 9q31.1

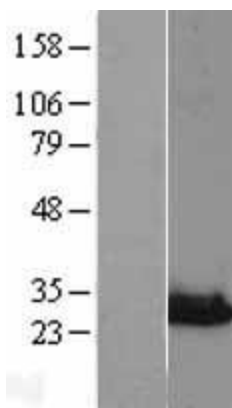
MW: 28.5 kDa

Gene Summary: NIPSNAP3A belongs to a family of proteins with putative roles in vesicular transport (Buechler et al., 2004 [PubMed 15177564]).[supplied by OMIM, Mar 2008]

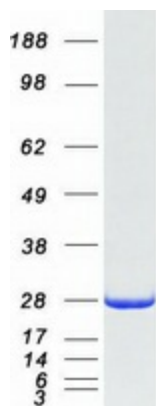
Product images:



Circular map for RC203264



Western blot validation of overexpression lysate (Cat# [LY402439]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC203264 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).



Coomassie blue staining of purified NIPSNAP3A protein (Cat# [TP303264]). The protein was produced from HEK293T cells transfected with NIPSNAP3A cDNA clone (Cat# RC203264) using MegaTran 2.0 (Cat# [TT210002]).