

Product datasheet for RC231764

NIP7 (NM_001199434) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: NIP7 (NM_001199434) Human Tagged ORF Clone
Tag: Myc-DDK
Symbol: NIP7
Synonyms: CGI-37; HSPC031; KD93
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >RC231764 representing NM_001199434
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTGTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGCGGCCTTTGACTGAAGAGGAGACCCGTGTCATGTTTGAGAAGATAGCGAAATACATTGGGGAGAATC
 TTCAACTGCTGGTGGACCGGCCGATGGCACCTACTGTTCCGTCTGCACAACGACCGGGTGACTATGT
 GAGTGAGAAGATTATGAAGCTGGCCGCAATATTTCCGGGGACAAGCTGGTGTGCTGGGACCTGCTTT
 GGAAAATTCACATAAAACCCACAAGTTTCGGTTGCACGTACAGCTCTGGATTACCTGCACCTTATGCCA
 AGGGTTTTGGGTGGCAGCCAAATCTACACAAGACTGCAGAAAAGTAGACCCCATGGCGATTGTGGTATT
 TCATCAAGCAGACATTGGGGAATATGTGCGGCATGAAGAGACGTTGACT

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC231764 representing NM_001199434
 Red=Cloning site Green=Tags(s)

MRPLTEETRVMFEEKIAKYIGENLQLLVDRPDGTYCFRLHNDRVYYVSEKIMKLAANISGDKLVSLGTCF
 GKFTKTHKFR LHVTALDYLAPYAKGFGVAAKSTQDCRKVDPMIAIVVFHQADIGEYVRHEETLT

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI



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Cloning Scheme:



ACCN: NM_001199434

ORF Size: 399 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.

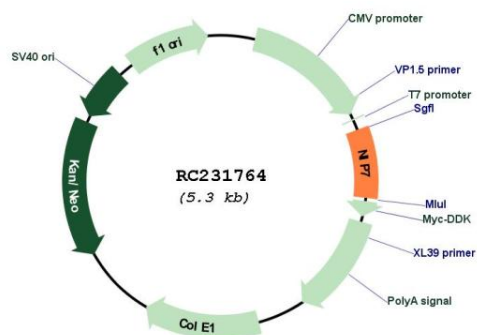
RefSeq: [NM_001199434.1](#), [NP_001186363.1](#)

RefSeq Size: 2187 bp

RefSeq ORF: 402 bp
 Locus ID: 51388
 UniProt ID: [Q9Y221](#)
 Cytogenetics: 16q22.1
 MW: 15.7 kDa

Gene Summary: Required for proper 34S pre-rRNA processing and 60S ribosome subunit assembly.
 [UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RC231764