

Product datasheet for **RC239602**

Nucleolar protein 14 (NOP14) (NM_001291979) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Nucleolar protein 14 (NOP14) (NM_001291979) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Nucleolar protein 14
Synonyms:	C4orf9; NOL14; RES4-25; RES425; UTP2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**ORF Nucleotide
Sequence:**

>RC239602 representing NM_001291979
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGCGAAGGCGAAGAAGGTCTGGGCGCGAAGGAAGGCCTCCGGGCGCCGGCGGGAGCGCGAGGGGGCC
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 GACGCGCCACGACGTGGGACTGCCCGGGGTGTCTCGCGCACGGGCCCTCAGGAAGCGTACACAGACTTTA
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 ACATGAGCCCCGAGGAGAAGATGATGAAGAGGTTTGTCTGGAACAGCAGCGACATCATGAGAAAAAAG
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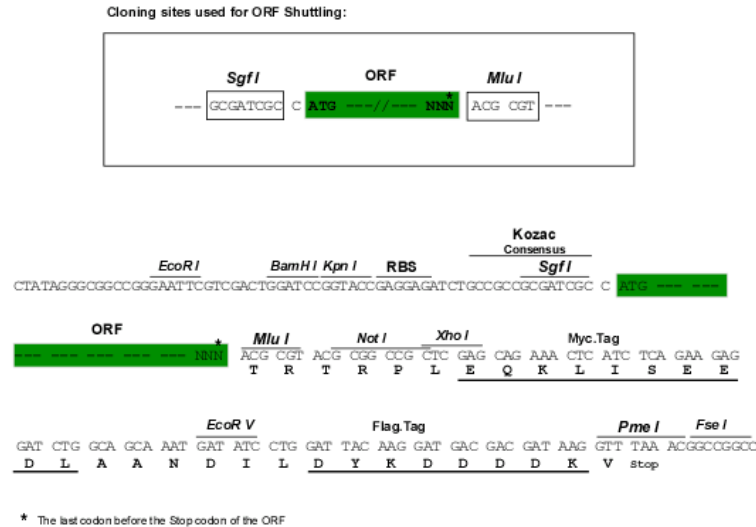
Protein Sequence: >RC239602 representing NM_001291979
 Red=Cloning site Green=Tags(s)

MAKAKKVGARRKASGAPAGARGGPAKANSNPFEVKVNRQKFQILGRKTRHDVGLPGVSRARALRKRTQTL
 LKEYKERDKSNVFRDKRFGEYNSNMSPEEKMMKRFALQQRRHHEKKSINLNEDEELTHYGQSLADIEKH
 NDIVDSDDAEDRGTLAELTAAHFGGGGGLLHKKTQQEGEEREKPKSRKELIEELIAKSKQEKRRERQAQ
 REDALEL TEKLDQDWKEIQTLTSHKTPKSENDRDKEKPKPDAYDMMVRELGFEMKAQPSNRMKTEAELAK
 EEQEHLRKLEAERLRRMLGKDEDENVKKPKHMSADDLNDGFVLDKDDRRLLSYKDGMNVVEDVQEEQSK
 EASDPESNEEGDSSGGEDTEESDPSDHLDESNEVESEENEKPAKEQRQTPGKGLISGKERAGKATRD
 ELPYTFAAPESYEELRSLLLGRSMEEQLLVVERIQKCNHPSLAEGNKAKLEKLFGLLEYVGDLATDDPP
 DLTVIDKLVVHL YHLCQMFPEASDAIKFVLRDAMHEMEEMIETKGRAALPGLDVL IYLIKITGLLFPTSD
 FWHPVVTPALVCLSQLLTKCPILSLQDVVKGLFVCCLFLEYVALSQRFIPELINFLLGILYIATPNKASQ
 GSTLVHPFRALGKNSSELLVVSAREDVATWQQSSLSLRWASRLRAPTSTEANHIRLSCLAVGLALLKRCVL
 MYGSLPSFHAIMGPLQALLTDHLADC SHPQELQELCQSTLTEMESQQLCRPLTCEKSKPVPLKLFPTPL
 VNSRPQVIHLPWPPNYRCEPQHAPAKKVIFFRVIML

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN:	NM_001291979
ORF Size:	2418 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_001291979.2](#)

RefSeq Size: 2901 bp

RefSeq ORF: 2421 bp

Locus ID: 8602

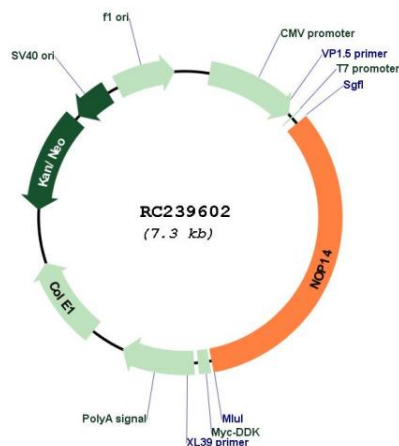
UniProt ID: [P78316](#)

Cytogenetics: 4p16.3

MW: 91.8 kDa

Gene Summary: This gene encodes a protein that plays a role in pre-18s rRNA processing and small ribosomal subunit assembly. The encoded protein may be involved in the regulation of pancreatic cancer cell proliferation and migration. Alternative splicing results in multiple transcript variants. [provided by RefSeq, May 2014]

Product images:



Circular map for RC239602