

Product datasheet for **SC337496**

Nucleolar protein 14 (NOP14) (NM_001291979) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Nucleolar protein 14 (NOP14) (NM_001291979) Human Untagged Clone
Tag:	Tag Free
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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Fully Sequenced ORF: >NCBI ORF sequence for NM_001291979, the custom clone sequence may differ by one or more nucleotides

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ATGGCGAAGGCGAAGAAGGTGCGGGCGCGAAGGAAGGCCTCCGGGGCGCCGGCGGGAGCGCGAGGGGGCC
CGGCGAAGGCCAACTCCAATCCGTTTCGAGGTGAAAGTTAACAGGCAGAAGTTCAGATCCTGGGCGCGAA
GACGCGCCACGACGTGGGACTGCCCGGGGTGTCTCGCGCACGGGCCCTCAGGAAGCGTACACAGACTTTA
CTAAAAGAGTACAAAGAAAGGGATAAATCCAATGTATTACAGAGATAAACGCTTCGGAGAATACAACAGCA
ACATGAGCCCCGAGGAGAAGATGATGAAGAGGTTTGCTCTGGAACAGCAGCGACATCATGAGAAAAAAG
CATCTACAATCTAAATGAAGATGAAGAATTGACTCATTATGGCCAGTCTTTGGCAGACATCGAGAAGCAT
AATGACATTGTGGACAGTGACAGCGATGCTGAGGATCGAGGAACGTTGTCTGCTGAGCTGACTGCTGCC
ACTTTGGAGGAGCGGTGGGCTCCTTCACAAGAAGACTCAACAGGAAGGCGAGGAGCGGGAGAAACCGAA
GTCCCGGAAAGAGCTGATTGAAGAGCTCATTGCCAAGTCAAAACAAGAGAAGAGGGAGAGACAAGCTCAA
CGAGAAGATGCCCTCGAGCTCACGGAGAAGCTAGACCAAGACTGGAAAGAAATTCAGACTCTCCTGTCCC
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TCGCGAGCTTGGCTTTGAAATGAAGGCGCAGCCCTCTAACAGGATGAAGACGGAGGCAGAATTGGCAAAAG
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AAAATGTTAAGAAACCAAAACATATGTCAGCAGATGATCTGAATGATGGCTTCGTCTAGATAAAGATGA
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GAGCTGCCCTACACGTTTCGACGCCCTGAATCCTATGAGGAAGTGAATCTCTGTTGTTAGGAAGATCGA
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GTGACGCTATCAAATTTGTTCTCCGAGATGCGATGCATGAGATGGAAGAAATGATTGAGACCAAAGGCCG
GGCGGCATTGCCAGGTTGGATGTGCTCATTTATTTGAAATCACTGGGCTGCTATTTCCAATCTCCGAC
TTCTGGCAGCCAGTGGTGACCCCTGCCCTCGTGTGCCTCAGTCAGCTGCTCACCAAGTGCCCATCTGT
CCCTCCAGGACGTGGTGAAGGCGCTGTTCTGTGCTGCCTGTTCTGGAGTATGTGGCTTTGTCCCAGAG
GTTTATACCTGAGCTTATTAATTTTCTTCTGGGATTCTTTACATAGCAACTCCAAACAAAGCAAGCCAA
GGTTCACCTCTGGTGCACCCCTTCAGAGCGCTTGGGAAGAACTCGGAAGTCTCGTGGTGTCTGCTAGAG
AGGATGTGGCCACGTGGCAGCAGAGCAGCCTCTCCCTCCGCTGGGCGAGTAGACTGAGGGCCCCAACTTC
GACAGAGGCCAATCACATCCGACTGTCCTGCCTGGCTGTGGGCGCTGGCCCTGCTGAAGCGCTGCGTGCTC
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CGGACTGCAGCCACCCGAGGAGCTCCAGGAGCTGTGTGAGAGCACACTGACCGAAATGGAAGCCAGAA
GCAGCTCTGCCGGCCGCTGACCTGTGAGAAGAGCAAGCCTGTCCCACTGAAGCTTTTACACCCCGGCTG
GTCTCGAATTCGACCTCAGGTAATCCACCTGCCTTGGCCCCCAATTATAGGTGTGAGCCACAGCACC
CAGCCAAAAAGTAATTTTTTTTAGAGTAATAATGCTATAA
  
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Restriction Sites: SgfI-MluI

ACCN: NM_001291979

OTI Disclaimer: Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

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:	<u>NM_001291979.1, NP_001278908.1</u>
RefSeq Size:	2901 bp
RefSeq ORF:	2421 bp
Locus ID:	8602
UniProt ID:	<u>P78316</u>
Cytogenetics:	4p16.3
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] Transcript Variant: This variant (3) contains multiple differences in the 3' coding region and differs in the 3' UTR, compared to variant 1. It encodes isoform 2, which is shorter and has a distinct C-terminus, compared to isoform 1.