

## Product datasheet for MR231459

### Nup98 (NM\_001287167) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Nup98 (NM_001287167) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Nup98
Synonyms:	4732457F17; A1849286; Nup96
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
ORF Nucleotide Sequence:	>MR231459 representing NM_001287167 Red=Cloning site Blue=ORF Green=Tags(s)

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GCC**CGATCGCC**

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GAGACTCCCCCTCTCCGGAATCCTATGTCAGATCCTAAGAAGAAAGAAGAGAGACTGAAACCAACCAA  
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**Protein Sequence:**

>MR231459 representing NM\_001287167  
 Red=Cloning site Green=Tags(s)

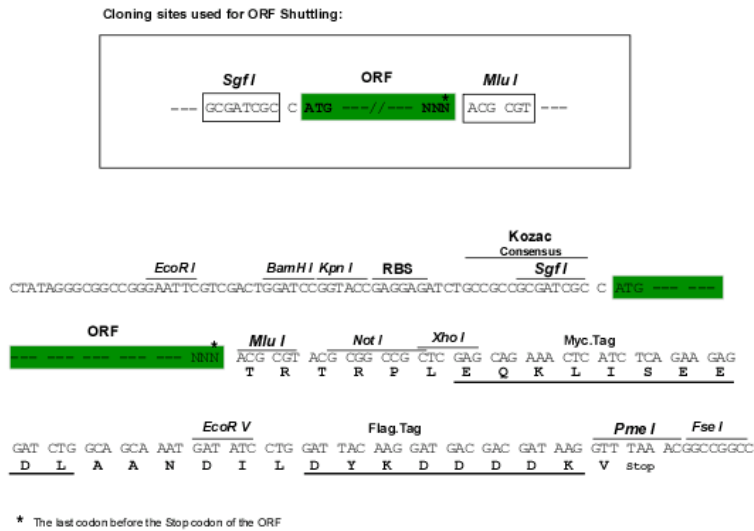
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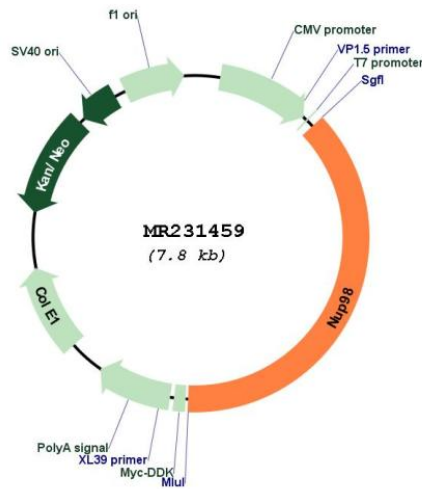
**Restriction Sites:**

Sgfl-Mlul

Cloning Scheme:



Plasmid Map:



ACCN: NM\_001287167  
ORF Size: 2952 bp

<b>OTI Disclaimer:</b>	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. <a href="#">More info</a>
<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">NM_001287167.1</a> , <a href="#">NP_001274096.1</a>
<b>RefSeq Size:</b>	3961 bp
<b>RefSeq ORF:</b>	2955 bp
<b>Locus ID:</b>	269966
<b>Cytogenetics:</b>	7 54.71 cM
<b>MW:</b>	103.5 kDa
<b>Gene Summary:</b>	Plays a role in the nuclear pore complex (NPC) assembly and/or maintenance. NUP98 and NUP96 are involved in the bidirectional transport across the NPC. May anchor NUP153 and TPR to the NPC. In cooperation with DHX9, plays a role in transcription and alternative splicing activation of a subset of genes. Involved in the localization of DHX9 in discrete intranuclear foci (GLFG-body).[UniProtKB/Swiss-Prot Function]