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Product datasheet for RR200873

Nup98 (NM_031074) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Nup98 (NM_031074) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Nup98
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin

ORF Nucleotide Sequence:

>RR200873 representing NM_031074
Red=Cloning site Blue=ORF Green=Tags(s)

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GCCGCGATCGCC

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CTGCAAATACAGGGACCAGTCTTTTCTCATCCCAGAACAATGCATTTGCACAAAATAAACCAACTGGATT
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Protein Sequence:

>RR200873 representing NM_031074
Red=Cloning site Green=Tags(s)

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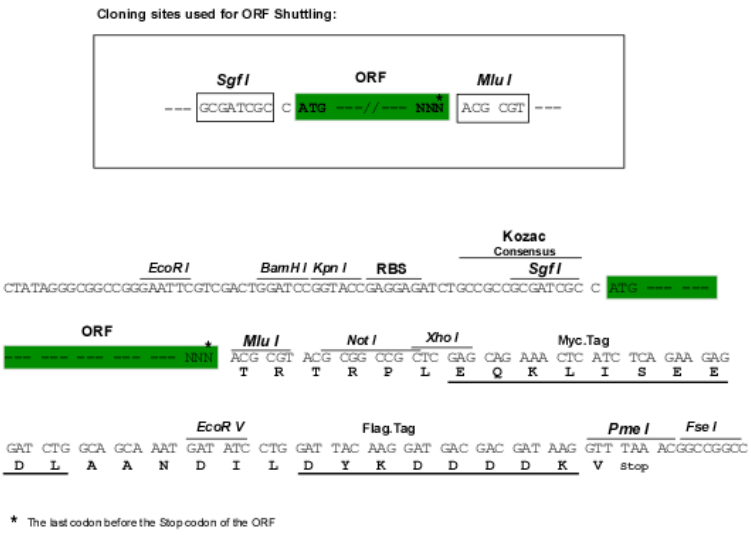
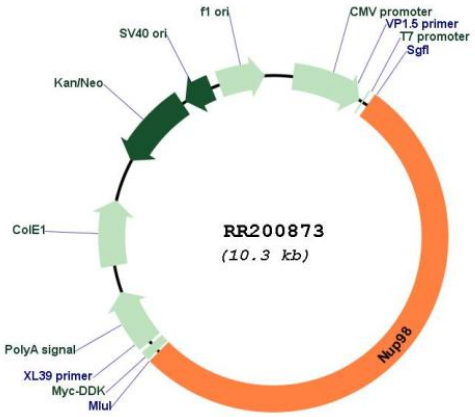
Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN:	NM_031074
ORF Size:	5448 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_031074.2, NP_112336.2
RefSeq Size:	6595 bp
RefSeq ORF:	5451 bp
Locus ID:	81738
UniProt ID:	P49793
Cytogenetics:	1q32
MW:	197.3 kDa
Gene Summary:	nuclear pore complex protein; involved in nuclear pore complex docking and transport [RGD, Feb 2006]