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Product datasheet for MR231640

Nol8 (NM_001271397) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Nol8 (NM_001271397) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Nol8
Synonyms:	4921532D18Rik; 5730412B09Rik
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

ORF Nucleotide Sequence:

>MR231640 representing NM_001271397
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
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Protein Sequence:

>MR231640 representing NM_001271397
Red=Cloning site Green=Tags(s)

MERPLENVSSNLDRCPTSMQGNREMKRLFVGGLGQGISETDLQNQFGRFGEVSDVEIITRKDDQGNSQKV
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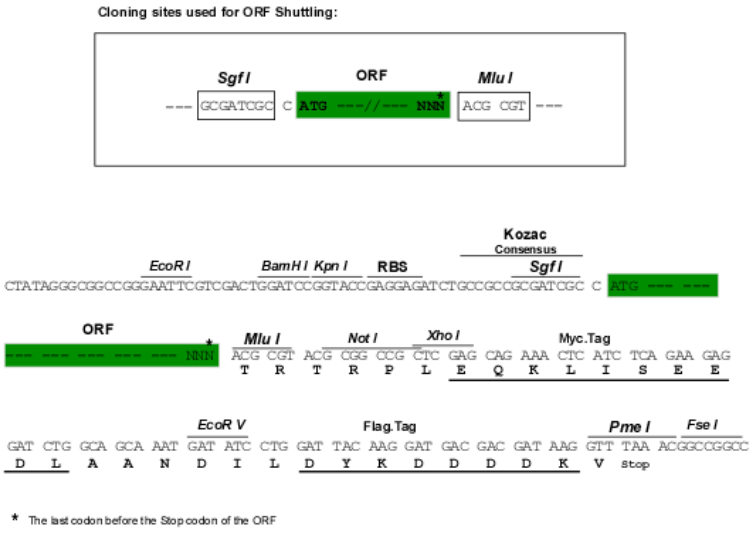
Restriction Sites: SgfI-MluI

Cloning Scheme:

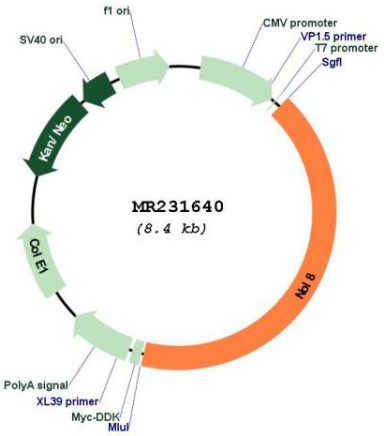


ACCN: NM_001271397

ORF Size: 3495 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_001271397.1, NP_001258326.1
RefSeq Size:	4655 bp
RefSeq ORF:	3498 bp
Locus ID:	70930
UniProt ID:	Q3UHX0
Cytogenetics:	13 25.36 cM
MW:	131.1 kDa
Gene Summary:	Plays an essential role in the survival of diffuse-type gastric cancer cells. Acts as a nucleolar anchoring protein for DDX47. May be involved in regulation of gene expression at the post-transcriptional level or in ribosome biogenesis in cancer cells (By similarity).[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR231640