

Product datasheet for RC240233

NuMA (NUMA1) (NM_001286561) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	NuMA (NUMA1) (NM_001286561) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	NUMA1
Synonyms:	NMP-22; NUMA
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
ORF Nucleotide Sequence:	>RC240233 representing NM_001286561 Red=Cloning site Blue=ORF Green=Tags(s)

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Protein Sequence: >RC240233 representing NM_001286561
 Red=Cloning site Green=Tags(s)

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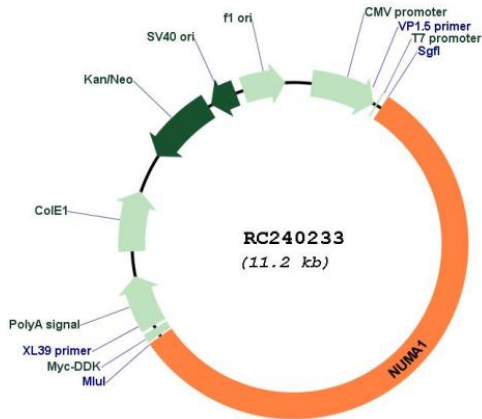
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001286561

ORF Size: 6303 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:	<ol style="list-style-type: none">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_001286561.1</u> , <u>NP_001273490.1</u>
RefSeq Size:	7431 bp
RefSeq ORF:	6306 bp
Locus ID:	4926
UniProt ID:	<u>Q14980</u>
Cytogenetics:	11q13.4
MW:	237 kDa
Gene Summary:	This gene encodes a large protein that forms a structural component of the nuclear matrix. The encoded protein interacts with microtubules and plays a role in the formation and organization of the mitotic spindle during cell division. Chromosomal translocation of this gene with the RARA (retinoic acid receptor, alpha) gene on chromosome 17 have been detected in patients with acute promyelocytic leukemia. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Nov 2013]