

OriGene Technologies, Inc.

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Product datasheet for RC210458

Nucleophosmin (NPM1) (NM_001037738) Human Tagged ORF Clone

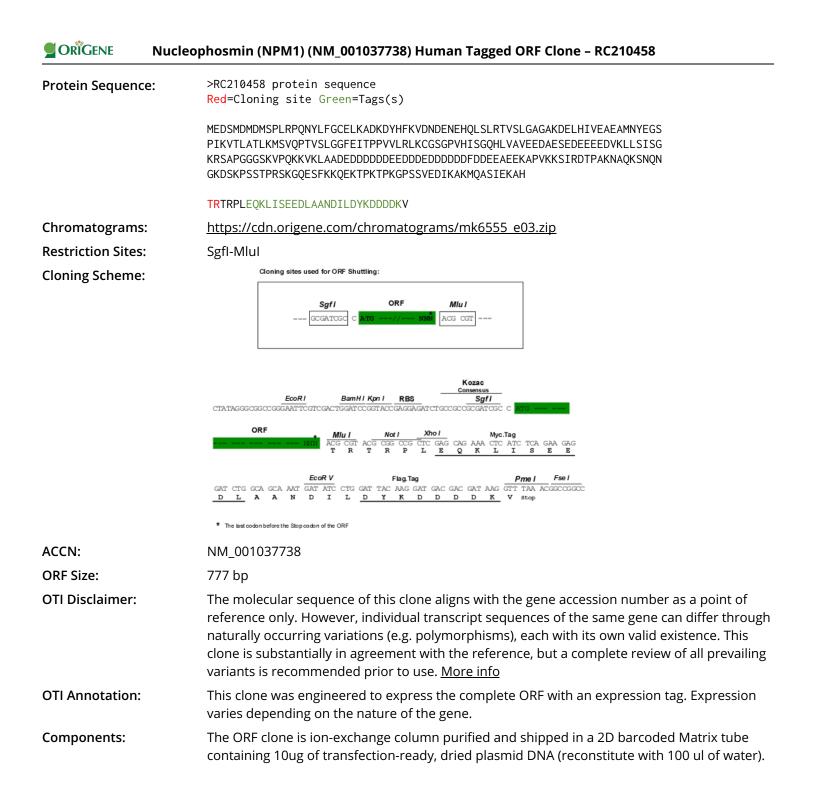
Product data:

Product Type:	Expression Plasmids
Product Name:	Nucleophosmin (NPM1) (NM_001037738) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Nucleophosmin
Synonyms:	B23; NPM
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	<pre>>RC210458 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)</pre>
	TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC GCC <mark>GCGATCGC</mark> C

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT ACAAGGATGACGACGATAAGGTTTAA



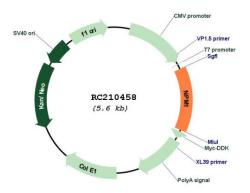
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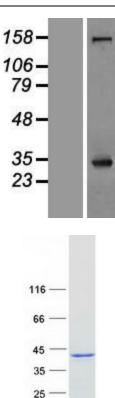
Reconstitution Method:	 Centrifuge at 5,000xg for 5min. Carefully open the tube and add 100ul of sterile water to dissolve the DNA. Close the tube and incubate for 10 minutes at room temperature. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom. 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 001037738.3</u>
RefSeq Size:	1347 bp
RefSeq ORF:	780 bp
Locus ID:	4869
UniProt ID:	<u>P06748</u>
Cytogenetics:	5q35.1
Protein Families:	Druggable Genome, Stem cell - Pluripotency, Transcription Factors
MW:	28.4 kDa
Gene Summary:	The protein encoded by this gene is involved in several cellular processes, including centrosome duplication, protein chaperoning, and cell proliferation. The encoded phosphoprotein shuttles between the nucleolus, nucleus, and cytoplasm, chaperoning ribosomal proteins and core histones from the nucleus to the cytoplasm. This protein is also known to sequester the tumor suppressor ARF in the nucleolus, protecting it from degradation until it is needed. Mutations in this gene are associated with acute myeloid leukemia. Dozens of pseudogenes of this gene have been identified. [provided by RefSeq, Aug 2017]

Product images:

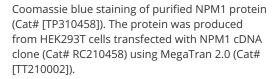


Circular map for RC210458

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18 · 14 · Western blot validation of overexpression lysate (Cat# [LY421985]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC210458 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).



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