

Product datasheet for RC223454L1

3434L1

NUP54 (NM_017426) Human Tagged Lenti ORF Clone

Product data:

Product Type: Expression Plasmids

Product Name: NUP54 (NM_017426) Human Tagged Lenti ORF Clone

Tag: Myc-DDK
Symbol: NUP54

Mammalian Cell None

Selection:

Vector: pLenti-C-Myc-DDK (PS100064)

E. coli Selection: Chloramphenicol (34 ug/mL)

ORF Nucleotide

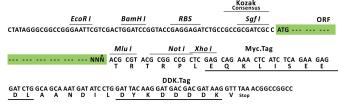
The ORF insert of this clone is exactly the same as(RC223454).

Sequence:

Restriction Sites: Sgfl-Mlul

Cloning Scheme:





^{*} The last codon before the Stop codon of the ORF.

ACCN: NM_017426

ORF Size: 1521 bp



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NUP54 (NM_017426) Human Tagged Lenti ORF Clone - RC223454L1

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: <u>NM 017426.2</u>

 RefSeq Size:
 2358 bp

 RefSeq ORF:
 1524 bp

 Locus ID:
 53371

 UniProt ID:
 Q7Z3B4

Cytogenetics: 4q21.1

MW: 55.3 kDa

Gene Summary: The nuclear envelope creates distinct nuclear and cytoplasmic compartments in eukaryotic

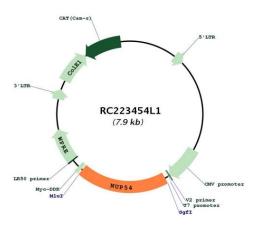
cells. It consists of two concentric membranes perforated by nuclear pores, large protein complexes that form aqueous channels to regulate the flow of macromolecules between the

nucleus and the cytoplasm. These complexes are composed of at least 100 different

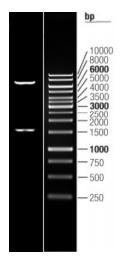
polypeptide subunits, many of which belong to the nucleoporin family. This gene encodes a member of the phe-gly (FG) repeat-containing nucleoporin subset. Multiple alternatively spliced transcript variants have been found for this gene. [provided by RefSeq, Jun 2013]



Product images:



Circular map for RC223454L1



Double digestion of RC223454L1 using Sgfl and Mul