

Product datasheet for RC208264L3

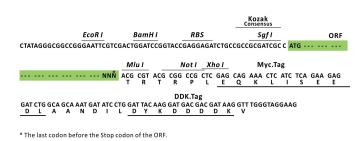
NUP153 (NM_005124) Human Tagged Lenti ORF Clone

Product data:

OriGene Technologies, Inc.

9620 Medical Center Drive, Ste 200 Rockville, MD 20850, US Phone: +1-888-267-4436 https://www.origene.com techsupport@origene.com EU: info-de@origene.com CN: techsupport@origene.cn

Product Type:	Expression Plasmids
Product Name:	NUP153 (NM_005124) Human Tagged Lenti ORF Clone
Tag:	Myc-DDK
Symbol:	NUP153
Synonyms:	HNUP153; N153
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-Myc-DDK-P2A-Puro (PS100092)
E. coli Selection:	Chloramphenicol (34 ug/mL)
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC208264).
Restriction Sites:	Sgfl-Mlul
Cloning Scheme:	
	Cloning sites used for ORF Shuttling:
	Sgf I ORF Mlu I GCG ATC GCC ATG // NNŇ ACG CGT



ACCN: ORF Size: NM_005124 4425 bp



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OTI Disclaimer:	Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at <u>custsupport@origene.com</u> or by calling 301.340.3188 option 3 for pricing and delivery.
	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. <u>More info</u>
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 Me	 ethod: 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 005124.2, NP 005115.2</u>
RefSeq Size:	5687 bp
RefSeq ORF:	4428 bp
Locus ID:	9972
UniProt ID:	<u>P49790</u>
Cytogenetics:	6p22.3
Domains:	zf-RanBP
Protein Families:	Druggable Genome, Stem cell - Pluripotency
MW:	153.8 kDa

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Gene Summary:Nuclear pore complexes regulate the transport of macromolecules between the nucleus and
cytoplasm. They are composed of at least 100 different polypeptide subunits, many of which
belong to the nucleoporin family. Nucleoporins are glycoproteins found in nuclear pores and
contain characteristic pentapeptide XFXFG repeats as well as O-linked N-acetylglucosamine
residues oriented towards the cytoplasm. The protein encoded by this gene has three distinct
domains: a N-terminal region containing a pore targeting and an RNA-binding domain
domain, a central region containing multiple zinc finger motifs, and a C-terminal region
containing multiple XFXFG repeats. Alternative splicing results in multiple transcript variants
of this gene. [provided by RefSeq, May 2013]

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