

Product datasheet for RC215956L1

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HNRNPC (NM_031314) Human Tagged Lenti ORF Clone

Product data:

Product Type: Expression Plasmids

Product Name: HNRNPC (NM_031314) Human Tagged Lenti ORF Clone

Tag: Myc-DDK
Symbol: HNRNPC

Synonyms: C1; C2; HNRNP; HNRPC; SNRPC

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(RC215956).

Sequence:

Restriction Sites: Sgfl-Mlul

Cloning Scheme:





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

ACCN: NM_031314

ORF Size: 918 bp





HNRNPC (NM_031314) Human Tagged Lenti ORF Clone - RC215956L1

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 031314.2</u>, <u>NP 112604.2</u>

 RefSeq Size:
 3252 bp

 RefSeq ORF:
 921 bp

 Locus ID:
 3183

 UniProt ID:
 P07910

Cytogenetics: 14q11.2

Domains: RRM

Protein Pathways: Spliceosome

MW: 33.5 kDa

Gene Summary: This gene belongs to the subfamily of ubiquitously expressed heterogeneous nuclear

ribonucleoproteins (hnRNPs). The hnRNPs are RNA binding proteins and they complex with heterogeneous nuclear RNA (hnRNA). These proteins are associated with pre-mRNAs in the

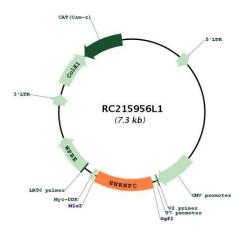
nucleus and appear to influence pre-mRNA processing and other aspects of mRNA

metabolism and transport. While all of the hnRNPs are present in the nucleus, some seem to shuttle between the nucleus and the cytoplasm. The hnRNP proteins have distinct nucleic acid binding properties. The protein encoded by this gene can act as a tetramer and is involved in the assembly of 40S hnRNP particles. Multiple transcript variants encoding at least

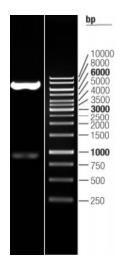
two different isoforms have been described for this gene. [provided by RefSeq, Jul 2008]



Product images:



Circular map for RC215956L1



Double digestion of RC215956L1 using Sgfl and Mlul $\,$