

Product datasheet for MR204182L4

OriGene Technologies, Inc.

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Hnrnpc (NM_001170982) Mouse Tagged Lenti ORF Clone

Product data:

Product Type: Expression Plasmids

Product Name: Hnrnpc (NM_001170982) Mouse Tagged Lenti ORF Clone

Tag: mGFP
Symbol: Hnrnpc

Synonyms: AL022939; D14Wsu171e; hnrnp-C; hnRNPC1; hnRNPC2; Hnrpc; Hnrpc1; Hnrpc2

Mammalian Cell Puromycin

Selection:

Vector: pLenti-C-mGFP-P2A-Puro (PS100093)

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

ORF Nucleotide The ORF insert of this clone is

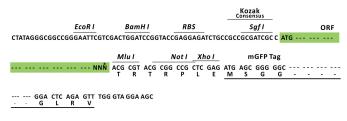
Sequence:

The ORF insert of this clone is exactly the same as(MR204182).

Restriction Sites: Sgfl-Mlul

Cloning Scheme:





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

ACCN: NM_001170982

ORF Size: 900 bp

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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 001170982.1</u>

 RefSeq Size:
 2779 bp

 RefSeq ORF:
 903 bp

 Locus ID:
 15381

 UniProt ID:
 09Z204

Cytogenetics: 14 26.79 cM

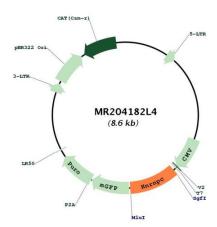
Gene Summary: Binds pre-mRNA and nucleates the assembly of 40S hnRNP particles. Interacts with poly-U

tracts in the 3' UTR or 5'-UTR of mRNA and modulates the stability and the level of translation of bound mRNA molecules. Single HNRNPC tetramers bind 230-240 nucleotides. Trimers of HNRNPC tetramers bind 700 nucleotides. May play a role in the early steps of spliceosome assembly and pre-mRNA splicing. N6-methyladenosine (m6A) has been shown to alter the local structure in mRNAs and long non-coding RNAs (lncRNAs) via a mechanism named 'm(6)A-switch', facilitating binding of HNRNPC, leading to regulation of mRNA splicing.

[UniProtKB/Swiss-Prot Function]



Product images:



Circular map for MR204182L4