

## Product datasheet for **MR220319L4V**

### Hnrnpc (NM\_001170981) Mouse Tagged ORF Clone Lentiviral Particle

#### Product data:

Product Type:	Lentiviral Particles
Product Name:	Hnrnpc (NM_001170981) Mouse Tagged ORF Clone Lentiviral Particle
Symbol:	Hnrnpc
Synonyms:	AL022939; D14Wsu171e; hnrnp-C; hnRNPC1; hnRNPC2; Hnrpc; Hnrpc1; Hnrpc2
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_001170981
ORF Size:	900 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(MR220319).
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. <a href="#">More info</a>
OTI Annotation:	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
RefSeq:	<a href="#">NM_001170981.1</a>
RefSeq Size:	2805 bp
RefSeq ORF:	903 bp
Locus ID:	15381
UniProt ID:	<a href="#">Q9Z204</a>
Cytogenetics:	14 26.79 cM



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**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]