

Product datasheet for **RG215956**

HNRNPC (NM_031314) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	HNRNPC (NM_031314) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	HNRNPC
Synonyms:	C1; C2; HNRNP; HNRPC; SNRPC
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG215956 representing NM_031314 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCCAGCAACGTTACCAACAAGACAGATCCTCGCTCCATGAACTCCCGTGTATTCATTGGGAATCTCA
ACACTCTTGTGGTCAAGAAATCTGATGTGGAGGCAATCTTTTCGAAGTATGGCAAATTTGGGGCTGCTC
TGTTCAATAGGGCTTGCCTTCGTTTCAGTATGTTAATGAGAGAAATGCCGGGCTGCTGTAGCAGGAGAG
GATGGCAGAATGATTGCTGGCCAGGTTTTAGATATTAACCTGGCTGCAGAGCCAAAAGTGAACCGAGGAA
AAGCAGGTGTGAAACGATCTGCAGCGGAGATGTACGGGTCAGTAACAGAACACCCCTCTCCGTCCCCTCT
ACTCAGCTCCTCTTTGACTTGGACTATGACTTTCAACGGGACTATTATGATAGGATGTACAGTTACCCA
GCACGTGTACCTCCTCCTCCTATTGCTCGGGCTGTAGTGCCCTCGAAACGTCAGCGTGTATCAGGAA
ACACTTACGAAGGGGCAAAAAGTGGCTTCAATTCTAAGAGTGGACAGCGGGGATCTTCCAAGTCTGGAAA
GTTGAAAGGAGATGACCTTCAGGCCATTAAGAAGGAGCTGACCCAGATAAAAACAAAAGTGGATTCTCTC
CTGGAAAACCTGGAAAAAATTGAAAAGGAACAGAGCAAACAAGCAGTAGAGATGAAGAATGATAAGTCAG
AAGAGGAGCAGAGCAGCAGCTCCGTGAAGAAAGATGAGACTAATGTGAAGATGGAGTCTGAGGGGGTGC
AGATGACTCTGCTGAGGAGGGGGACCTACTGGATGATGATAATGAAGATCGGGGGATGACCAGCTG
GAGTTGATCAAGGATGATGAAAAAGAGGCTGAGGAAGGAGAGGATGACAGAGACAGCGCCAATGGCGAGG
ATGACTCT

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >RG215956 representing NM_031314
 Red=Cloning site Green=Tags(s)

MASNVTNKTDPRSMNSRVFIGNLNLTLVVKKSDVEAIFSKYKIVGCSVHKGFVQYVNERNARA AVAGE
 DGRMIAGQVLDINLAAEPKVNVRGKAGVKRSAAEMYGSVTEHPSPSPLLSSSFDLDYDFQRDYDRMYSYP
 ARVPPPPPIARAVVPSKRQVRVSGNTSRRGKSGFNSKSGQRGSSKSGKLGDDLQAIIKELTQIKQKVDLSL
 LENLEKIEKEQSKQAVEMKNDKSEEEQSSSSVKKDETNVKMESEGGADDSAEEDLLDDDDNEDRGDDQL
 ELIKDDEKEAEEGEDDRDSANGEDDS

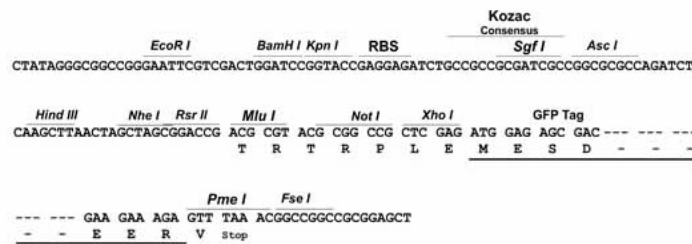
TRTRPLE - GFP Tag - V

Restriction Sites:

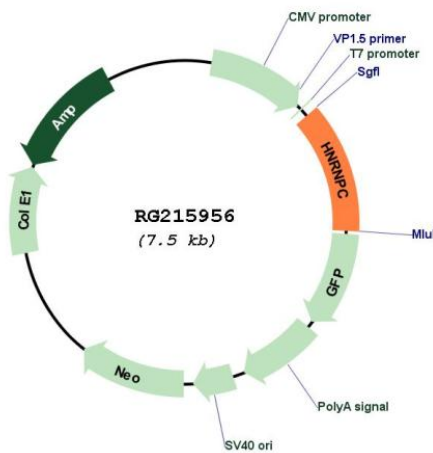
SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



Plasmid Map:



ACCN: NM_031314

ORF Size: 918 bp

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:	<ol style="list-style-type: none">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:	NM_031314.2 , NP_112604.2
RefSeq Size:	3252 bp
RefSeq ORF:	921 bp
Locus ID:	3183
UniProt ID:	P07910
Cytogenetics:	14q11.2
Domains:	RRM
Protein Pathways:	Spliceosome
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]