

Product datasheet for **RR210102**

Hnrnp1 (NM_080896) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	Myc-DDK
Symbol:	Hnrnp1
Synonyms:	Hnrph; Hnrph1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

ORF Nucleotide Sequence: >RR210102 representing NM_080896
Red=Cloning site Blue=ORF Green=Tags(s)

TTTGTGAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGGACACAGATATGTTGAAGTATTCAAGTCAAACAACGTTGAAATGGATTGGGTGTTGAAGCATACTG
GTCCCAATAGTCTGACACGGCCAATGATGGCTTTGTACGGCTTAGAGGACTCCCTTTTGGATGTAGCGA
GGAAGAAATTTGTCAGTTCTTCTCAGGGTTGGAATCGTGCCAAATGGGATAACATTGCCGGTGGACTTC
CAGGGGAGGAGTACGGGGGAGGCCCTTCGTGCAGTTTGCTTCACAGGAAATAGCTGAAAAGGCTCTAAAGA
AACACAAGGAAAGAATAGGGCACAGGTATATTGAAATATTTAAGAGCAGTCGAGCTGAAGTTAGAACTCA
TTATGATCCACCACGAAAACCTTATGGCCATGCAGCGGCCAGGTCCCTATGACAGACCTGGGGCTGGCAGA
GGGTATAACAGCATTGGCAGAGGAGCTGGCTTTGAGAGGATGAGGCGTGGTGCTTATGGTGGAGGCTATG
GAGGCTATGATGATTATAATGGCTATAATGATGGCTATGGATTTGGTTCGGATAGATTTGGAAGAGACCT
CAATTATTGTTTTTCAGGAATGTCTGACCACAGATATGGGGATGGTGGCTCCACTTTCCAGAGTACAACA
GGACACTGTGTACACATGCGGGGATTACCATACAGAGCTACTGAGAATGACATTTATAATTTTTTTTCAC
CACTCAACCTGTGAGAGTACATATTGAGACTGGACCTGATGGCAGAGTAACTGGTGAAGCAGATGTTGA
GTTTGCAACCCATGAAGATGCTGTTGCAGCTATGTCAAAGATAAGCAAATATGCAACACAGATATGTA
GAACTCTTCTGAATTTACAGCAGGAGCAAGCGGTGGTGCTTACGAACACAGATATGTAGAATCTTCTT
TGAATTTCTACAGCAGGAGCAAGCGGTGGTGCTTATGGTAGCCAAATGATGGGAGGCATGGGCTTGTCAAA
CCAGTCCAGTTACGGTGGCCAGCCAGCCAGCAGCTGAGTGGTGGTTATGGAGGTGGCTATGGTGGCCAG
AGCAGCATGAGCGGATATGACCAAGTTTTACAGGAAAACCTCCAGTGATTTTCAATCAACATTGCA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



Protein Sequence:

>RR210102 representing NM_080896

Red=Cloning site Green=Tags(s)

MGHRVVEVFKSNNVEMDWLKHGTGPNSPDTANDGFVRLRGLPFGCSEEEIVQFFSGLEIVPNGITLPVDF
QGRSTGEAFVQFASQEI AEKALKKKKERIGHRYIEIFKSSRAEVRTHYDPPRKLAMQRP GPYDRPGAGR
GYNSIGRGAGFERMRGAYGGGYGGYDDYNGYDGYGFGSDRFGRDLNYCFSGMSDHR YDGGSTFQSTT
GHCVMRGLPYRATENDIYNFFSPLNPVRVHIETGPDGRVTGEADVEFATHEDAVAAMSKDKANMQHRYV
ELFLNSTAGASGGAYEHRYVELFLNSTAGASGGAYGSQMMGMGLSNQSSYGGPASQQLSGGYGGYGGQ
SSMSGYDQVLQENSSDFQSNIA

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

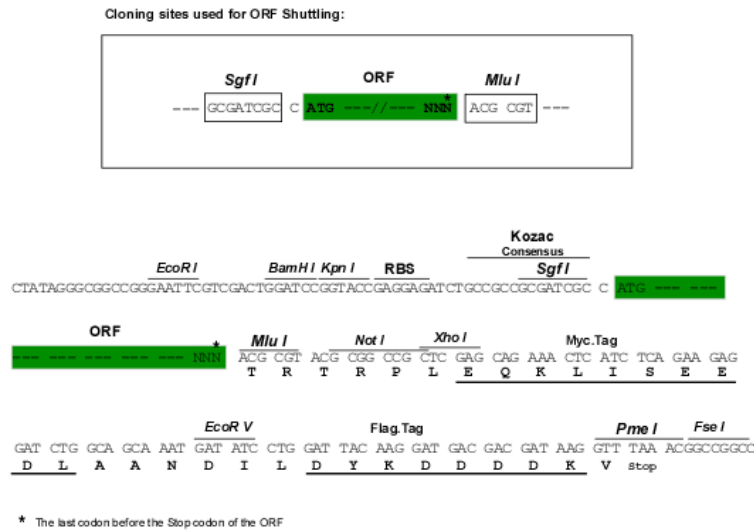
Chromatograms:

https://cdn.origene.com/chromatograms/ja2670_c08.zip

Restriction Sites:

SgfI-MluI

Cloning Scheme:



ACCN:

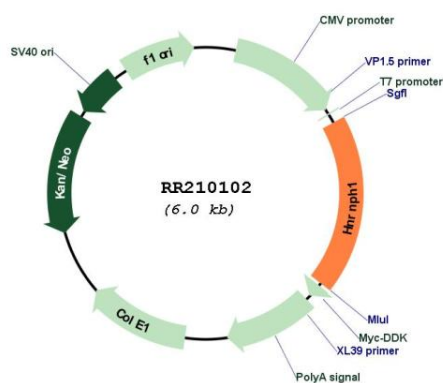
NM_080896

ORF Size:

1116 bp

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 custsupport@origene.com 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. 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.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	NM_080896.1 , NP_543172.1
RefSeq Size:	1967 bp
RefSeq ORF:	1119 bp
Locus ID:	140931
UniProt ID:	Q8VHV7
Cytogenetics:	10q22
MW:	41.1 kDa
Gene Summary:	human homolog binds poly(rG) in vitro; may play a role in RNA processing [RGD, Feb 2006]

Product images:



Circular map for RR210102