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Product datasheet for RR200225

Hnrnpm (NM_001109911) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Hnrnpm (NM_001109911) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Hnrnpm
Synonyms:	Hnrpm; Hnrpm4
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin

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ORF Nucleotide Sequence:

>RR200225 representing NM_001109911
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGCGGCAGGGGTCGAAGCGGCGGCCGAAGTGGCAGCGACAGAGCCCAAAATGGAGGAAGAGAGCGGCG
CGCCCTGCGTGCCGAGCGGCAACGGAGCTCCGGTCCCGAAGGGTGAAGAACGACCTACTCAGAATGAGAA
GAGGAAGGAGAAAAACATAAAAAGAGGAGGCAATCGCTTTGAGCCATATGCAAACCCAACTAAAAGATAC
AGAGCCTTCATTACAAATATACCTTTTGATGTGAAATGGCAGTCACTTAAAGACCTGGTTAAAGAAAAAG
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GTTCAAGATGGAGGAGAGCATGAAAAAAGCTGCCGAAGTTCTAAACAAGCATAGTCTGAGTGGAAGGCCA
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GTGGGATGGGTATGGGACCAGGTGGCCCAGGAATGATTAATATCCCACCCAGTATCCTAAATAATCCTAA
CATCCCAAATGAGATTATCCATGCATTACAGGCTGGAAGACTTGGAAGCACAGTATTTGTAGCAAATCTG
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TTCTGGAAGATAAAGATGGGAAAAGTCGTGGAATAGGCACTGTGACTTTTGAACAGTCCATTGAAGCTGT
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TCCTAAGTAATGCACTGAAGAGGGGAGAGATCATTGCAAAGCAAGGAGGAGGTGGAGCTGGAGGCAGTGT
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CCTGGCCATGGGTGGCGCCGGCGGTGCTAGTTTTGACCGAGCCATTGAGATGGAGCGGGGCAACTTTGGA
GGAAGCTTCGCAGGTTCCTTTGGCGGAGCTGGAGGCCATGCACCTGGAGTAGCCAGGAAGGCCTGCCAGA
TATTTGTGAGAAATCTCCCATTTGATTTTACATGGAAGATGCTAAAGGACAAATTCAATGAATGTGGCCA
CGTGCTGTACGCCGACATCAAGATGGAGAACGGAAAGTCCAAGGGGTGCGGTGTGGTTAAGTTTGAGTCT
CCAGAGGTGGCTGAGAGAGCCTGCCGGATGATGAATGGCATGAAGCTGAGTGGCCGAGAGATTGATGTTC
GAATTGATAGAAACGCT

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

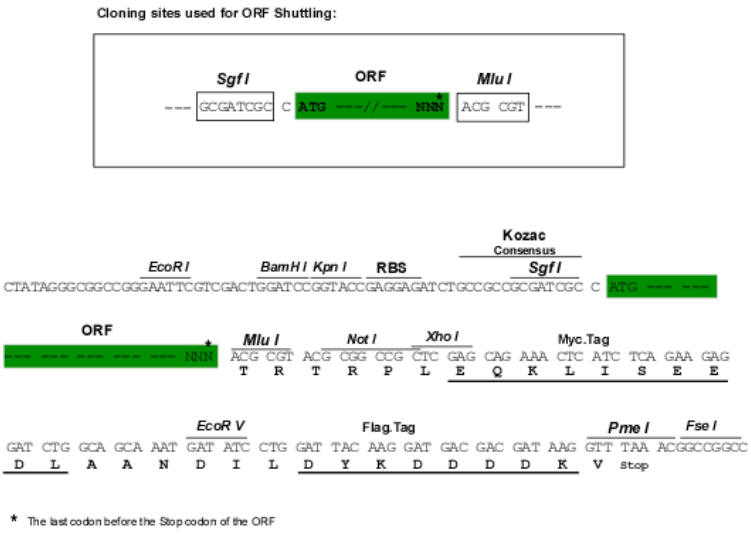
>RR200225 representing NM_001109911
Red=Cloning site Green=Tags(s)

MAAGVEAAAEVAATEPKMEEESGAPCVPSGNGAPVPKGEERPTQNEKRKEKNIKRGGNRFEPYANPTKRY
RAFITNIPFDVKWQSLKDLVKEKVGEVTYVELLMDAEGKSRGCAVVEFKMEESMKKAAEVLNKHSLSGRP
LKVKEDPDGEHARRAMQKVMATTGGMGMGPGGPGMINIPPSILNNPNIPNEIIHALQAGRLGSTVFVANL
DYKVGWKKLKEVFSMAGVVVRADILEDKDGKSRGIGTVTFEQSIEAVQAISMFNGQLLFDRPMHVKMDER
ALPKGDFFPPERPQQLPHGLGGIGMGLGPGGQPIDANHLNKGIGMGNLGPAGMGMEGIGFGINKIGGMEG
PFGGGMENMGRFGSGMNMGRINEILSNALKRGEIIAKQGGGGAGGSVPGIERMGPGIDRISGAGMERMGA
GLGHGMDRVGSEIERMGLVMDRMGSVERMGSGIERMGPLGLDHMASSIERMGQTMERIGSGVERMGAGMG
FGLERMAAPIDRVGQTIERMGSGVERMGPAIERMGLSMDRMVPTGMGAGLERMGPVMDRMATGLERMGAN
NLERMGLERMGANSLERMGLERMGANSLERMGPAMGPALGAGIERMGLAMGGAGGASFDRAIEMERGNFG
GSFAGSFGGAGGHAPGVARKACQIFVRNLPFDFTWKMLKDKFNECGHVLYADIKMENGKSKGCGVVKFES
PEVAERACRMMNGMKLSGREIDVRIDRNA

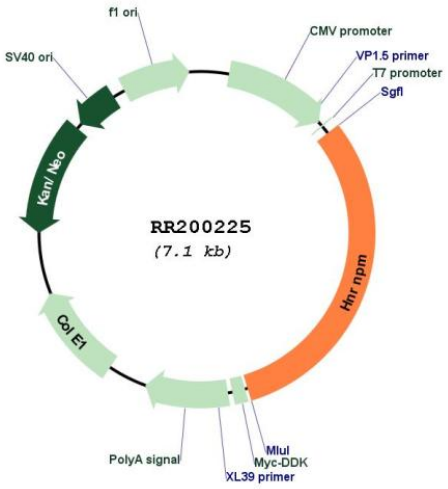
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN:	NM_001109911
ORF Size:	2187 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:	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_001109911.1, NP_001103381.1
RefSeq Size:	2492 bp
RefSeq ORF:	2190 bp
Locus ID:	116655

UniProt ID:	Q62826
Cytogenetics:	7q13
MW:	77.6 kDa
Gene Summary:	an RNA binding protein that interacts with carcinoembryonic antigen (CEA) [RGD, Feb 2006]