

Product datasheet for **RR213231**

Hmmr (NM_012964) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Hmmr (NM_012964) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Hmmr
Synonyms:	RHAMM
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>RR213231 representing NM_012964
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGTCCTTCCCTAAGCGCCCTGAAAAGATTCAATGACCCTTCGGGTTGTGCTCCATCTCCAGGTGCTT
 ACGATGTTAAAATTTCAGAATCAACTAAAGGACCAGTGTCTTTTCAGAAATCACAAAAGATTTAAAAACCA
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 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RR213231 representing NM_012964
Red=Cloning site Green=Tags(s)

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MSFPKAPLKRFPNDPSGCAPSPGAYDVKTSESTKGPVVFQKSQRFNQRESQQNLNIDKDTLLASAKKAK
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SFYSKQIEDLTVKQQLLEAERDDLVSKDRERAESLSAEMQVLTEKLLLERQYKELQQNELQSQSLLQVEK
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KMTEKETAVTEL TMEINKWRLLYEELFDKTKPFQQQLDAFEAEKQALLNEHGATQEQLSKIRDSYAQLLG
HQNLKQKIKHVVKLKDENSQKSEVSKLRSQAKRQNELRLQGELDKALGIRHFDPKAFCHESKENVT
LKTPLKEGNPNC
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TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

Cloning Scheme:



ACCN: NM_012964

ORF Size: 2139 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_012964.2](#), [NP_037096.2](#)

RefSeq Size: 2286 bp

RefSeq ORF: 2142 bp

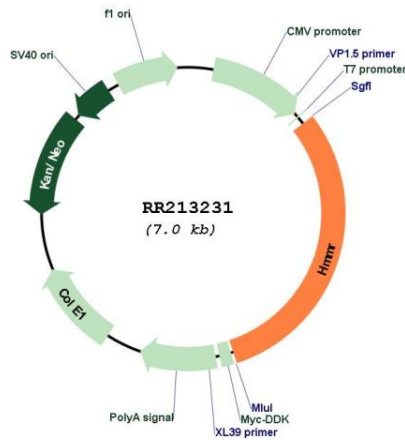
Locus ID: 25460

Cytogenetics: 10q12

MW: 82.4 kDa

Gene Summary: binds hyaluronan; may play a role in ceell signaling and regulation of the cytoskeleton in the central nervous system [RGD, Feb 2006]

Product images:



Circular map for RR213231